SEQUENCE LISTING

<110> Abuin, Alejandro
      Zambrowicz, Brian
      Sands, Arthur T.

<120> NOVEL MUTATED MAMMALIAN CELLS AND
   ANIMALS

<130> LEX-0304-USA

<150> US 60/265,574
<151> 2001-01-31

<160> 248

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<210> 1
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<212> DNA
<213> Mus musculus

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agctatggaa catcttatcc atgttttaca aacagatcgg tcctgagttc aaatcccagc 180
aaccacatgg tggcctcata accatccgta acgaaatctg atgccctctt ctggaatgtc 240
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<210> 2
<211> 656
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(656)
<223> n = A,T,C or G

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ccccgcctcc gctgccccgg tggtggccca cggcccccg gttgccagtg gtgaaactgg 180
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cacattcagg cctctggcgg atatgctgcc tggaaggtag ggtgcaggaa ggccctggct 480
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cccaaggnct tgaggggtgt gctttactgc tggaggcggn tnattccatg caccccctcca 600
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<210> 3
<211> 651

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<212> DNA
<213> Mus musculus

<220>
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<222> (1)...(651)
<223> n = A,T,C or G

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tcttggacca ggcagcccta cagcacctct ttaagaagca cagctttaag gccgtcatcc 240
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<210> 4
<211> 647
<212> DNA
<213> Mus musculus

<400> 4
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gaagaagcgc tcccgggtta aacaggtgct tgcagatatt gctaagcagg tggacttctg 120
gtttggagat gcaaaccttc acaaggacaa gtttctgcga gagcaaattg aaaagtctag 180
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agggaccaga atcaggagga aaaaacccct aggtgagaga ccaaaggacg aggaggaacg 360
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tgggaaatgt ggcaatgtgg tttacataag tattccacat acaagtctca ctggggatcc 480
taagggattt gcctttgtgg aatttgaaac aaaagagcaa gcagcaaaag ccattgagtt 540
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aaacaagccc atcccttcct tacaagcaga agagaagaaa aagaaaa              647


<210> 5
<211> 647
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(647)
<223> n = A,T,C or G

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gagcgtgtgt cgggcctggc gggctccatc taccgcgagt tcgagcgcct cattcactgc 180
tatgacgagg aggtggtcaa ggagctcatg ccgctggtgg tgaacgtgct ggagaaccnn 240
gactcggtgc tgagcgagaa ccaggagcac gaggtggagc tggagctcct acgcgaggac 300
aacgagcagc tgctcacgca atacgagcgc gagaaggcgc tgcgcaaaca ggccgaggag 360
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cngctcantc ggnagtatnc tgntgatgct gatgccgang ctgctggnta tgtgccactt 480
tntccatcca atngagacct aaancacagc ctgtgcaaag nccggnagac ntgngccccc 540
attcctgctg gnctctgacc ttggctgncg ccngctnnnt ctnggattnt attccttccc 600
gtcttnggag cagggtgcnc tagaatcaca aagcgccaga attctac          647


<210> 6
<211> 645
<212> DNA
<213> Mus musculus

<220>
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<222> (1)...(645)
<223> n = A,T,C or G

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ttccaggaca ggagagctct ctgcagtggg cagggatgaa gtttgaggac gtcccaattg 180
cacacattaa agcaacctac aacaacacac agatccaggt agtctctgcc accaatgcgt 240
ccctggcccg cgcctcctgt ggcacagaag gctttcgcaa tgccaagaag ggcaccggca 300
tcgccgcaca gacagcaggc atagctgccg cagcaaaagc cacaggaaag ggagtgaccc 360
acatcagagt cgtagtgaaa ggcatggggc caggacgctg gtctgccatc aaaggactga 420
ccatgggggg tctggaagtg atctcaatca cagacaacac cccggtccca cacaatggct 480
gccgaccccg gaaggctcga aggctgtgac gggaagggag cctgcacttg gacctggcct 540
caggtcttga ctcctgtgga tcctacagaa ggcccactgt ggaagccgct ggagccggct 600
gttctcgagc cctncttggg gaaacactcc ttttctcgca ccgag          645


<210> 7
<211> 636
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(636)
<223> n = A,T,C or G

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acctgagtgc aaaacattnn aagaacactt tgagaagcac atattccagg aaacagaaag 60
ctggtccaaa gccccggccc aaggatgtgt ttgactttttc taataattct gatgcctcaa 120
gcataccggg agcactcgag gaagaagagg agacttacga aaccttcgac ccccctctgc 180
acagtacggc tatctacgca gaagacgagc tgtccaaaca ctgtgtgtcc tccagttccc 240
tggccaccca cagagggaag gcgagcagaa acttggaccc ttctgaagat gaagcaagtg 300
gaaatgagtc tatcaaggtc agcacaaaaa agccaaggag aaagctggag cccatcagcg 360
gcgagtcgga cagctctgca gatgatgtaa ggaggagggt ggcatctgca gaaggaccaa 420
ggtcacagca acgccaggct gctcctgcag caccgtcacc ccctgagagg ccagccgagc 480
cggtcactcc caggaggaca agactccaca gcgctcagct ctctcctgta gacgagacac 540
cagcaaccca aagtcagctg gtgagcagtg ctcgcctccg ccctcgctcg ggagagaaga 600
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<210> 8
<211> 636
<212> DNA
<213> Mus musculus
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<220>
<221> misc_feature
<222> (1)...(636)
<223> n = A,T,C or G

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tgctgcncgt gctggccnag ntgccagcta cggagctgnt gcaggcctgc cncctggtgt 180
gcctgcnctn gtaaggagct ggtggacngc gccccactgt ggctgntcaa gtgccagcag 240
gaggggctgg tgcccgaggn cagcgctgat gaggagcggg accactggca acagttctac 300
tttctgagca agangaggcg caacctgctg cgcaaccctt gtggggaaga ggacttggag 360
ggctggagcg acgtggagca cggtggggac ggctggaagg tggaggaact gcccggagac 420
aatggggngg aatttaccca anatgacagc gttaagaaat acttcgcctc ctccttcgag 480
tggtgtcgca aagcgcaggt cattgatctg caggcagagg gctactggga ggagctactg 540
gacaccaccc agcccgccat cgtggtgaag gactggtact cgggtcgcac ggntgcggnc 600
agcctgtatg agctcactgn gaggctgctg tcgtga 636

<210> 9
<211> 635
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(635)
<223> n = A,T,C or G

<400> 9
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catgtaggag ttgcttggcc caaagtgttc atcaagacca gcctggaaga ggcctcagtg 180
aagatgacat tcgcagggca cgggaggccc ggctcaggaa ggcaccccgg ccccagctga 240
gtgatcgctc tcgtgaacgc aaggtgcctg cctcccgcat cagtcgcttg gccagctttg 300
gggggctggc tgtgggcttg ggcctgggag cgctggctga ggtgactaag aagtccttgc 360
caggtggaag tctgcagcat gagggcgtct ctggattggg ctccagtcct ttcctctccg 420
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tcggccaaat gctcagtatc caggacaaca gctttatcag cccccagctt cagcgaatct 540
ttganagggt ccgacagagt gccgacttta tgccccgctg gcaaatgatg agagttctag 600
aaaagggagc tnggcaagga ctggcaaaga caagg 635

<210> 10
<211> 634
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(634)
<223> n = A,T,C or G

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aggagctggc taaagagctg cagttggaag aagaagcggc tgctttccct gaagttgtgn 120
acgtnacaca gcacacagct cttgctgnaa cccatnttna cngtctgact gnngactgtn 180
attatacntn nacaaaaggg cncactcagn catgctnang aacannttan gcgtgaggna 240

4

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aagaagtttc ancnggtgat agcaaagttt ccatttcgtt tgaaaactat cgcaaagttc 300
atccttttga agacagtgac agctctgaag acnaggttga ctggcaggac actcgagacg 360
atccctacag accagcaaag ccaattccta ctcccaaaaa gggtttatt ggaaaaggaa 420
aagacatcac caccaagcat gatgaagtag tatgtggaag aaagaacaca ccaagaatgg 480
aaaattttgc ccttggcttt cangtagggg atggaattgg aatggatttg aaactatcca 540
accacgtttt taatgcctta aaacaacacg cctactcaga gagcgtcgg agcgcccgtn 600
tncacgagaa gaaggaacat tctacccgct gaaa 634
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<210> 11
<211> 634
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(634)
<223> n = A,T,C or G

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aaggggcggg cgctgtgcaa ttcatgatga ccaataaatt ggacacagca atgtggcttt 120
ctcgcctgtt cacagtttat tgctccgctc tgttcgttct gcctcttctt gggttgcatg 180
aagcagcgag cttttaccag cgtgctttgc tggccaatgc tctgaccagc gctctgaggc 240
tgcatcagag attacctcac ttccagttga gcagagtgtt cctggctcag gccttgttag 300
aggacagctg ccactacctg ctgtattcac tcatcttcgt caactcctac cctgtcacaa 360
tgagtatttt tccagtcttg ctattttctt tgctccatgc tgccacatac actaagaagg 420
tcctggacgc aaagggttca aatagtttac ctctgttgag atcattcttg gataaattaa 480
gtactaacca acaaaatatt ctgaaattca tcgcttgtaa tgaaanattc ttgatgcctg 540
ctacaggtnt tatgctcttt agnggccaag gaagnttgct ncancctttt ttatattatn 600
ganttcttac tcttcnatat tcctctagaa aaaa 634
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<210> 12
<211> 633
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(633)
<223> n = A,T,C or G

<400> 12
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ccttttgtca cttttttattc tatttatttt ttctgctgat gatgggctta aagatgctgt 120
ggccaaacgc agcatccttt ggacctcctt ttggacttga cctccttcca gaacttcatc 180
cactaaatgc gcattcggga aacaaagctg acttccaaag gagtgataga atcaacatgg 240
aaacaaacac caaggcttta aaaggcgctg gcatgactgt gctgccagcc aaagcctctg 300
aggtgaacct ggaagaacta cctcctctga attactttt acatgcattt tattacagtt 360
ggtatggaaa tccacagttt gatggtaaat atatacactg gaatcatccg gtcctggaac 420
actgggaccc tcggatagcc aagaactatc cacaaggaca acatagtcct ccagacgaca 480
ttggctccag tttttatcct gagttaggaa gttacagctc tcgagaccct ctgtcatag 540
aaactcacat gaaacaaatg cgctcagcct caattggttg ggaattattt tattttatttt 600
atttatgngt atataaataa ttctggtgga caa 633
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<210> 13
<211> 633
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<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(633)
<223> n = A,T,C or G

<400> 13

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gccttgctgg tcaattatat caccgcctac atggttctct ttgacttcgg caacctgaga 180
ccgggccaca gcgtcttggt acacatggct gcaggtggcg tgggcatggc agccctgcag 240
ttgtgccgca ccgtggagaa cgtgacagtg tttggaacgg cctcagccag caagcacgag 300
gtgctgaagg agaacggggt cacacacccc atcgactacc acgactga ctatgtggac 360
gagatnanaa agatctcccc caaaggagta gacatcgtnn tggaccctct gggtggatna 420
nacacnggca agggctacca cctcctcana cccatgggca aagntgtcac ttacggaatg 480
gctaacctgc tgacgggccc cangcggaac ctgatggcca tggcccgnac ctggtggaat 540
canntcantg tgacanctnt gaagctgctg caggccaacc gagctgtgtg tggttnncac 600
ctgtnntacc tggatggaga ggtggaactc gtc 633
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<210> 14
<211> 632
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(632)
<223> n = A,T,C or G

<400> 14

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aggtaggagc tgtgtatctg catgaagagg aggttgctca ggaccatcgg gaccaggcaa 120
gagcggcgga acccatggag gcctctctgg gtccgcgcgg agatcccatg gtggtgctgt 180
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caggcggctt ccaggatcgg gaagaggagt actatgctga gcctggcgtg actgaggccg 360
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cgtttccaac acttggattc ttggctctgg ga 632
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<210> 15
<211> 632
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(632)
<223> n = A,T,C or G

<400> 15

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tacctgggcg acttcatcga gcactacgcg cagctgggcc ccagccagcc acccgacctg 120
gcccaggcac aggacgagcc acgccgggcg ctcaagagcg agttcctggt gcgcgaaaac 180
cgcaagtact acatggatct caaggagaac cagcgcggcc gcttcctgcg catccgccag 240
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taccgcaact ccatcaccgt gccctacaag gtgtgggcca agttcggaca caccttctgc 540
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gagcagcttc accagcagca acagcagcag ca                                 632
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<210> 16
<211> 632
<212> DNA
<213> Mus musculus

<400> 16
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tatgtgcaga agcacaatat ccaggccctg ctgaaggact ccatcgtgca gctgtgcact 120
acgcggcccg agaggcccat ggcattcctt cgggaatact ttgagaggtt ggagaaggag 180
gaggcaagac agattcagtg tctacagaaa accggcatcc gtactgactc gagggaggac 240
gagatctctc ctccacccc caatccagtg gtgaagggcc gacggcgccg aggtgctatc 300
agtgctgaag tttacactga ggaggatgct gcctcctacg ttagaaaggt tattccaaaa 360
gattataaga caatggctgc tttagccaag gccatcgaaa gaatgtgct gtttcacac 420
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<210> 17
<211> 629
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(629)
<223> n = A,T,C or G

<400> 17
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ggccccgggg gctctcctgg catccagaat tcggatcatg actcctgtga gcagccacg 120
cttggcggag agcatttttg acctggacta cgcttcgtgg aagattcggt cgactctagc 180
ggttgctggc tttgtcttct acctgggcgt ctttgtagtc tgccatcagc tctcatcgtc 240
cctgaatgcc acctaccgct ccctggcggc caaagagaag gtcttctgga acctgncggc 300
agacgcgtgc tgtcttcggc gtccanagca caactgcagg cctgtgggcc ctgctgggag 360
accccgtgct ctatgccgac aaagctctcg ggcagcanaa ctggtgttgg tttcacatca 420
ccacggccac tggcttcttc ttctttgaga atgnggncgt tcacctgtcc aacctgttct 480
tccgcacctt tgacttgntt ctggntgtcc accacctctt tgcctttctt gggttcctgg 540
gttcagcgat caatctcaaa gctggccact atntagccat gaccacgttg ctcctaaaga 600
tgagcacgcc ctttaacctg catttccta                                     629
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<210> 18
<211> 628
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(628)
<223> n = A,T,C or G

<400> 18
tgaggtgtta cctgtttggc ctatgatgaa gccttatggc tagcaggtac cgaattcagc 60
nagagattgc tgtgcagaat cctctggtgt cagagcggct ggaactctca gtcctgtaca 120
aggagtatgc tgaggatgac aacatctacc aacagaagat caaggacctc cacaaaaagt 180
actcatacat acggaagacc cggcctgatg gcaactgctt ctaccgagcg tttggcttct 240
cccacctgga ggcactgcta gatgacagca aggaactgca gcggttcaaa gccgtgtctg 300
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cctcaggcta cctacagcgg gagagcaagt tcttcgagca cttcatcgag ggtggccgga 540
ctgttaagga gttctgccag caggaggtgg aacccatgtg caaggagagc gaccacatcc 600
acatcatagc cctggcccag gccctcag   628

<210> 19
<211> 628
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(628)
<223> n = A,T,C or G

<400> 19
tgtctgtgtc ctgctctcct tcccgttatc ttngcccgtg cctgggctgc ggggaagccc 60
gcctgaatgg gctgccttgc tgtactatgg acccttcatt gtcgtcttcc agtttggctg 120
ggctgccacg cagattgccc acctgagcct catcccagag ctggtgacca gtgaccacga 180
gaaggnggag ctcacggccc tcaggtatgc gttcactgtg gnggctaaca tcaccgtgta 240
cggcgcancc tggctgctgc tgcacttgca gggctctgca cacggcgagc aggacatcag 300
tgtgggtgac cagctaggag tccaggatgt gcccgtgttc cggaacctgg ccctgcttgt 360
ggngggtgtg ggagccatct tctctctgct cttccacttg ggtaccaagg agggccacag 420
gtcccancac tggggggaac gaacccnatg agcacacccc cctggtggcc ccagccggnt 480
ccagccactg ntgctgttgg aaacactggc tttngggagc cngcnttttt ntaaggtagg 540
gcatgctgta catgaccaca aggcttcatt tgngaaaccn gtctcagacn ctacatttgc 600
nangcgcctc gacctatttt tttttagc   628

<210> 20
<211> 627
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(627)
<223> n = A,T,C or G

<400> 20
cttggtggcc cgtctcttgt ttttcctggt ttatgacttt cggctttgtg gaatacggct 60
gagatgaaag gatttattga cgatgcgaac tactccgttg gcctgttgga tganggaacc 120
aacctnncaa atgtnatgnc naactatgcc ttngaccgtg ccctgacagg aaaaaaatgc 180
attttttgtg ggggatcttg ggaagatcgt gaagaagcac agtcagtggc agaccgtggt 240

8

```
ggctcagata aagccgtttt acacggtgaa gtgcaactcc actccagccg tgcttgagat 300
cttggcagct cttggaactg ggtttgcttg ttccagcaaa aatgaaatgg ctttagtgca 360
agaattgggt gtatctccag aaaacatcat tttcacaagt ccttgtaagc aagtgtctca 420
gataaagtat gcagcaaaag ttggagtaaa tattatgaca tgtgacaatg agattgaatt 480
aaagaaaatt gcanaggaat cacccaaatg ccaaggtctt actacatatt gcaaacagaa 540
gataatattg naggtgaaga agggaacatg aaagtttggc nctacnctga agaantgnag 600
ggcatcttta ctgcacctcc tgggaaa                                      627
```

<210> 21
<211> 621
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G

<400> 21
```
tgagacccct gctattgctg atatctacnc agaacntgcc catcnagtgg tagtagccta 60
gtatgcaccc agcggattct acattgcttc tggagacatc tctgggaagc taaggatctg 120
ggataccaca cagaaggagc atcttctaaa gtatgagtac cagcctttcg ctgggaagat 180
caaggacatt gcctggacgg aagacagtaa gaggatcgcc gtggtcgggg aaggaaggga 240
gaagtttgga gctgtcttct tatgggacac tggctcttct gtgggtgaga tcacaggaca 300
caacaaagtc atcaacagtg tggacataaa gcagaccagg ccctaccgac tagcaacagg 360
gagtgatgat aactgtgctg cgttcttcga gggccctcca ttcaagttca agttcacaat 420
tggtgaccac agccgctttg tcaactgtgt gcgattctct cctgatggga acagatttgc 480
cacagctagc gctgatggcc agattttcat ttatgatggg aagacgggag agaaggtgtg 540
tgcccttgga gaaagcaagg cccatgatgg aggaatttat gccattagtt ggagtcctga 600
tagcactcat ttgctatctg c                                            621
```

<210> 22
<211> 621
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G

<400> 22
```
acctgaggag tgaagatagt ccagnnccta agagacagcg cctctctcat tcagtctttg 60
attatacatc agcatcacca gctccctcac caccaatgcg accatgggag atgacatcaa 120
ataggcagcc cccttcagtt cgaccaaatc aacatcactt ctcaggggaa cgctgtaaca 180
cacctgcacg caacagaaga agtcctcctg ttaggcgtca gcgaggaaga agggaacgtc 240
tgtctcgaca taattccatt agtcaagatg aaaactatca ccatctccct tatgcacagc 300
agcaagcaat agaggaacct cgagccttcc accctccgaa tgtatctccc cgtctgttac 360
atccagctgc ccatcccccc cagcagaatg cagtcatggt tgacatacat gatcaggtac 420
anntacnnan tgncctggaa ctncntgngg taaaagntaa cggtgnctaa ngnggatcta 480
tcganntgng gggcttgttg cnngntcctn naattcctga agtgcancna gnttgngtgg 540
nnccntnctt tnannaangg aaatttagcc agggtntgtg gcacataact tgaacattgt 600
ntcaatgaat gaatgagaga a                                            621
```

<210> 23
<211> 621
```

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G

<400> 23
atgctcctgg ggcccctcct ctgncaangc cttgancctt catgtaagta ccattttctg 60
atggatgagc acgtggtagg aacacccctg ctggtgaagt ctggtgtgga gtacacacng 120
cttgctgtgg agtcagctcg gggccttgat gggagcagcc atgtggtcat gtatctgggt 180
acctccacgg ggtccctgca caaggctgtg gtgcctcagg acagcagtgc ttatctcgtg 240
gaggagattc agctgagccc tgactctgag cctgttcgaa acctgcagct ggccccgcc 300
cagggtgcag tgtttgcagg cttctctgga ggcatctgga gagttcccag ggccaattgc 360
agtgtctacn agagctgtgt ggactgtgtg cttgccaggg accctcactg tgcctgggac 420
cctgaatcaa nactctgcag ccttctgtct ggctctacca agccttggaa gcaggacatg 480
gaacgcggca acccggagtg ggtatgcacc cgtggcccca tggccaggag cccccggcgt 540
cagagccccc ctcaactaat taaagaagtc ctgacagtcc ccaactccat cctggagctg 600
ccctgccccc acctgtcagc g 621

<210> 24
<211> 618
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(618)
<223> n = A,T,C or G

<400> 24
acatacacct gtgggataca cgaacttcaa gactgngatg ctantgtttt tattgccctt 60
tatcaatcca ttttgggaga aaaggtacca gacctcatag ttcttcccag gaatcaagaa 120
gacgaggccc acaatgtcca agcggtaatt gattcactcg ctttggatta ccttcaggtc 180
agcctgtctc acataacagg agaaaacata gtgaaagggg ataatgaatc tatcaggaat 240
ctcctagaaa tatttgatgg attgctggat tatctgacag aacacatcag tgaatcgtct 300
cccaacaaaa gtgaaactga gcagtattct aaagattctc atggagaaga agctggggag 360
gacctagaac gtaccgagga ggcgaagtgg agaaacgctt cttttatgag gtgttccttc 420
tcatcggaca ctttgggccc cacctgggat gaagacgaag ctgagtccac aggtgaaata 480
attaggctgg gagacactgc ataccttt tcccaaagaa gtaatggtgc tcaaaattct 540
aaggacttac gggctanaaa agcctcggct tcaccaggcg ttgagccacc tgaggaaatg 600
ttgaaccctg gcccattg 618

<210> 25
<211> 618
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(618)
<223> n = A,T,C or G

<400> 25
gcttgctgta acttggcttc cttacctgca cccccaagaa tgatgagatn ctatcagcng 60

10

```
gggnggntgn aataccctaa actggttttc cgagcaggnc ggcancatac ccncangagc 120
tgcttaangc aggtccccga ggcctttctc acactgcata ancatggntg cttgtttngg 180
gacgnggnga ggatccaagg caaagatgng ctcaccccag tatctcncat cctcatcggg 240
gacccaggct gcncctacaa gtacttgaac accagactct tcacggtgcc ctggcccgtg 300
aagggctgca ctgtcaagta cacagaggct gagatcgccg ctgcatgtca gaccttccta 360
aagctcaatg actacctcca ggtggagacc atccaggcct ggaagaact ggctgtcaga 420
gagaaggcca atgaagatgc tgtgccactg tgcatggcag agttccccag ggccggcgtg 480
gggccgtcct gtgatgatga agtggacctt aagagcagag cagcctacaa cgtgactttg 540
ctaaacttca tggatcctca gaagatgccc tacttgaaag aggagccnta tttcggcatg 600
gggaagatgg cggtgagc                                              618
```

```
<210> 26
<211> 616
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(616)
<223> n = A,T,C or G
```

```
<400> 26
actttagctc ctctgtcagn atgaatggga accagcaatt ggctgcttat aaccaagaaa 60
agcagaattt catccagcac ttctcccaga tcgtcaaggt gctgactgag aaggagctgg 120
gacacccaga gatagggat gctattgccc ggctcaagga ggtcctagag tacaatgcct 180
taggaggcaa gtacaaccgg ggtttgaccg tggtacaagc cttccaggag ctggtggagc 240
cgaagaaaca ggatgctgag agtcttcagc gggccctgac agtgggctgg tgtgtagaac 300
tgctccaggc tttcttcctt gtgtcagatg acatcatgga ctcttccctc actcgccggg 360
gacagatntg ctggtatcag aagccaggca taggcttgga tgccatcaac gacgctctgc 420
ttctggaagc ctccatctat cgtttgctga agttctactg cagggagcag ccctactacc 480
tgaacctgct ggagctcttt ctgcagagtt cctatcagac agagatcggg cagactctag 540
acctcatgac agcacccccag ggccatgtgg atcttggtag atacactgaa aagaggtaca 600
aatcgattgt caagga                                               616
```

```
<210> 27
<211> 615
<212> DNA
<213> Mus musculus
```

```
<400> 27
agtgtggctg ccaacgtccg ggtgggaaat gcactgggcg caggaaacat tgaccaggcc 60
aagaagtcct cagctatttc cttgatagtc acagagctct ttgctgtgac cttctgcgtc 120
ctgctgctag gctgtaagga tctcgtgggc tacattttca ctaccgatcg ggatatcgtg 180
gccttggtgg ctcaagtgat ccccatttat gctgtgtccc acctctttga aggtcttgct 240
tgtacctgtg gtggtatcct gagggggcact gggaaccaga aggttggagc catcgttaat 300
gccatcgggt attatgtcat tggcctcccc atcgggatcg cgctgatgtt tgctgctaag 360
ctgggagtga tcggcctgtg gtcaggcatc atcatctgca ctacctgtca gaccacgtgc 420
ttcctggctt ttattgctcg gctcaattgg aaacgcgcct gtcaacaggc tcaagtacat 480
gccaatttga aggtaaacgt ggccctgaat tccgctgtct ctcacgagcc tgctcaccca 540
gtgtgtcctg agagccatgg agaaattatg atgacggatc ttgaaaaaaa agacgagact 600
cagttggacc agccg                                                615
```

```
<210> 28
<211> 613
<212> DNA
<213> Mus musculus
```

<220>
<221> misc_feature
<222> (1)...(613)
<223> n = A,T,C or G

<400> 28
cgcagctgta tgcacaaaca ggcgggcatg agtnccagcc agncacgccc tggngcttgg 60
catgttcgnn ncaggtaaan gaccccgagg tacaaggtca tcctggcccg ncngtatggn 120
tctgagggca ggntcacctt cacctcccac acccctggtg agcaccagat ctgtcttcac 180
tcaaattcca ccaagttctc cctctttgnc ggagggatgc tgagggttca ccttgacatc 240
caagtgggcg aacatgcaaa cgactatgca gaaattgctg ccaaggacaa gctgagcgag 300
ctgcagctga gggtgcgaca gctggtggag caagtggagc agatccaaaa ggagcagaac 360
taccagcggt ggcgagaaga gcgcttcaga caaaccagcg aaagcaccaa ccagcgagtg 420
ctatggtggt ncatcctgca gactctcatc ctcgtggcca ttggcgtctg gcagatgcng 480
cacctcaaga gcttttttg aagccaanaa gttgggngta gcaacctgtc ccaagcctca 540
caggcgatnt ttntttcagg ctgtgggaag taagaagang actgggtttt aacccgcaaa 600
tgttcttgga gga 613

<210> 29
<211> 612
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(612)
<223> n = A,T,C or G

<400> 29
aacttcaagt cataagttta gtagaccaag naggcacatt cgaggtgctg tggatgctgc 60
tgtcccaact aacatcattg cggccaaggc tgctgaagtt cgtgccaaca aagtgaactg 120
gcagtcttat cttcaggggc agatgatttc tgctgaagat tgtgaattta ttcaaaggtt 180
tgaaatgaaa agaagttccg aggacaagca agagatgctt caaactgaag gcagccagtg 240
tgctaaaaca tttataaatc tgatgacgca catctccaaa gaacagacag tgcagtacat 300
actaaccatg gttgacgata tgctgcagga aaatcaccag cgtgtcagca ttttctttga 360
ctatgcgaaa cgaagcaaga gcactgcctg ccatacttt ctgccaatgt tgaatcgcca 420
ggatcccttt actgttcata tggcagcaag aattatcgcc aagttagctg cttggggga 480
agaactgatg gaaggcagtg acttaaatta ctattttcaa ttggataaaa actcagctga 540
gttcacagaa acttcntggc agcnggtgtt tgctgttgaa acaggaacaa atctcttcaa 600
gtgatagttt gc 612

<210> 30
<211> 612
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(612)
<223> n = A,T,C or G

<400> 30
actgttcgat atgatatcct gcccttatct cctttgtccc ggaatcgcct agcccaggtg 60
aagaggaaga tcctggtgct ggatctggac gaaaccctga ttcactctna ccacgatggg 120
gtgctgaggc ctacagtgag acctgggaca cctcccgact tcatcctcaa ggtggtaata 180
gacaaacacc cagtccggtt ttttgtacat aagaggcccc atgtggattt cttcttagaa 240

12

```
gtggtaagcn agtggnatga gcttgtggng tncacagcat gcatggaant ntatggctct 300
gctgnggcag ataaactgga caacagnaga agcattctta agaggagata ctacagacag 360
cactgcactt tggagttggg cagntacatc aaagacctct ccgtggtcca cagcgacctg 420
tccagcatcg tgatcctgga caactccccc ggggcttaca ggagccaccc agacaatgcc 480
atccccatca aatcctggtt cagtgacccc agtgacacag cccttctcaa ccttctccca 540
atgctggatg ccctcaggtt cactgctgat gtccgatcgg ngctgagccg aaaccttcac 600
caacataggc tt                                                     612
```

<210> 31
<211> 611
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

<400> 31
```
gagatgaggc tgccgtcccg aacaacaaga atcactgtan tgggcgttgg acaagnggnt 60
atggnatgtg ccatcancat tctgggaaag nctntggctg angaacttgc cctggctgga 120
tgtgttggaa gacaagctca tnggagagat gatggacctg cagcacggga gcttgttcct 180
ccagactccg aaaattgtgg ccgataaaga ttactctgtg acagccaact ctaagattgt 240
ggtggtgacg gcaggagtcc gccagcagga gggggagagt cggctcaacc tggtgcagag 300
aaatgtcaac gtgttcaagt tcatcattcc tcagatcgtc aagtacagcc ctgactgcac 360
catcatcgtg gtttccaacc cagtggatat tctgacttac gtcacctgga aactgagcgg 420
gctacctaag caccgtgtga ttggaagcgg atgcaatctg gattctgctc gattccgcta 480
cctcatggca gagaagcttg gcattcatcc cagcanctgn cacggatgga tcctgggcga 540
gcatggagac tncagtgtgg gctgtgtgga accggggtga atgtggcaag aantctccct 600
ccagaactga a                                                      611
```

<210> 32
<211> 608
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G

<400> 32
```
tgcttcgaat cctgctctct gcccagcact tcccctgctc ggctgtctgg tttgctgctc 60
atcccaccag tacagccctg ttgtttggga cccagcaagt ccggggaccg gccttttgga 120
ggaggccctg tgcaaggcct tcaacggctt ctggaacagg cacggagccc tggggagcta 180
ctgcgatggc tgagccagaa ccccaccaag gtgcgagctc atcactaccc tgtggcactc 240
cggcgtctgg gccagctctt ggtgtctcag cctaggccct tcctgtgga gcaggccaca 300
ctgcaggact tgagtcagct catcatccga aactgcccct cctttgacgt tcacaccatc 360
catgtgtgtc tccaccttgc agtgttactt ggcnangann gaaatggaac gctcctgtgt 420
gccctcgagc aggagcgcag gnccgtctc cctccaangc caccctcccc acatcggcct 480
gccatctatg gnggtcaaag gttgnaagtg gccctgagct gcccccgttt nctgcagnac 540
cctngtnagc atctgatcag aagcntggca gaggcaaggc cagaagaact gactcctcac 600
gtaatggg                                                          608
```

<210> 33
<211> 606
```

13

```
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(606)
<223> n = A,T,C or G

<400> 33
ctctgcctta ccttcncaag ggcagaaaan accaggcnca acncttntgc tacanggttt 60
gtcgcacaac gactcntntg gccgtatttc agaaaacaca nggctccnna caaattgtgn 120
caaanggnaa tgtatgtang gaagaatgca tggnatnngn ttnntntatt ancccancat 180
gcntnggtgt nagacacttt ctgnaatgta gngtccatgg cnggaggtat tcacaacacc 240
gaccctatgg gnncnttccn tgctcctgan ggatgatgac aaactnngaa cagcggtacc 300
gatgatattc ctgntnggga ccnanaattc ctgaaagttg accaagggaa cactttnttg 360
aacttatnct ggctgcnaac tacttaaaca tcaaaggttt gcttgatgtc acatgcagga 420
ctggggccaa tatnattaag ggggaaaact cctggaggag attcgnaaaa cctttcntgt 480
cnaaaatgga ntttactgga agaggnngag gcccaggtnc gcnaagagna accnanggng 540
nggaanagaa gggaactgct tgggcctgtc ccctgtgaac antagaaggg gttgttccca 600
aaatgc                                                           606


<210> 34
<211> 598
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(598)
<223> n = A,T,C or G

<400> 34
actgaggtgt tacagtatct gaacagatgg ctgggaacga attctggggt tcagcaatgc 60
cacattccag tcagagaagg agactgggga tcggaattac gccatcggct attacctcaa 120
ggagaagaag tgcttcccta agggtgtgga catgatggct gcccttgatc tctatttcca 180
gctgngctct gnggaggtta cctgtgagtc aggcanngtc atggcggcca ctctggccaa 240
tggcggcatc tgccctatca caggggagag cgngctgagc gccnaggccg tgcgcaacac 300
cctcagcctc atgcattcct gtggcatgta tgacttctcg ggccagantg ccttccatgt 360
gggcctgcca gccaagaccc tgtgtcagga gccatcctcc tggttgtacc caangtcatg 420
gncatgatgt gtctgtcgcc gccgttagac aagctgggga acagncaaag gggcatcaac 480
ttctgccaga aggtgnaggn ctctctttaa cttccacann tatgacnacc tgcgggactg 540
cggctnggga anttagaccc ncggagggga agganaaana ggtttcggaa caagaccc   598


<210> 35
<211> 598
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(598)
<223> n = A,T,C or G

<400> 35
tgagccgtgg cgctaggatg ggtaacaagn gctctccgtg ctcatgtgga aacagcgcag 60
gaanactggn gtctttcagc ttaaagaccg tggtctgacc gagttcccct cagagttgca 120
```

gaagctgaca ngcaatctta ggaccatcga tttatccnnc aacaagatcg acagcctacc 180
gcctctgata ataggaaagt tcactctgct aangagcctc tncctcanca ncaacaaact 240
gactgttcta cctgangaat tatgcaatct gaaanancta gagacactaa gtctcaacaa 300
caatcacctg agagagctac catctacctt tgggcagttg tcagccctga agacgctgag 360
cctctctggg antcagctgg gagcattacc cccccagctt tgttgcctga gacatctaga 420
tgtagtagan ctctctaaaa accagantcg gagtatacct gacacagttg gggagctgca 480
ggccatcgaa ctcaatctca accagaacca gatctctcag ctctctgtga agatatcctg 540
ctgtcctcgc ctcanggtcc tccggctgga agaganctgc cttgagctca gcatgctt 598

<210> 36
<211> 598
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(598)
<223> n = A,T,C or G

<400> 36
accgtctctt cctgtattgc gccttcctta acttcagctc acacatggac accaggtggc 60
gctgtcgtcc atcagttacg ttggctgctc tctgtcagtt ctctgcctgg ctgccaccct 120
ggtcaccttc gcagtactgt cttctgtcag caccattcgg aaccagcgtt accacantcc 180
acgccaacct gtccttcgct gtcctggtag cccaggtctt gctgctgatc agcttcagca 240
tggagcctgg cacggtcccg tgccaggtgc tggctgtcct cctacattac ttcttcctga 300
ccgcctttgc ttggatgctg gtggagggac tacatctcta cagcatntgt gataaaggtc 360
ttcggctcag aggacagcaa gcacctctac tactatggga taggctgggg gtgccctctc 420
ctcatctgca tcatctccat atcatcctct atggacagct atgggacaag tgacagctgc 480
tggctggctc tggggagtgg cgctatttgg gcctttgtgg gcccggctct gttggtcatt 540
ggaggtcaac attgttatcc tggttgctgt gacgagggtc atctcccaca tcagcacg 598

<210> 37
<211> 596
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(596)
<223> n = A,T,C or G

<400> 37
tgagagatgc cctgtattaa gctaatatgg aacaccagca acgagcccag gaccgcgtga 60
ccacctgacc ggtgatcccc tggcccttga gttcggcaag cctaccatgg acctggccag 120
ccccgagaca gcacctgccg cacctgctac actgcccagc ttcagcacct tcatggacgg 180
gtacaccgga gagtttgaca ccttcctcta ccagctgccg gggacgaccc agccgtgctc 240
ctcagcttgt tcctctgcct ccnaagngct nngattanan gcntgcgccn annttnctta 300
tnannagnaa cttcaagttn gangacttaa aggtgtacgg ctgctacccg ggcaccctga 360
gcggcccatt agatgagacc ctatcctcca gcggctctga gtactatggn agtccctgct 420
cagncccctc gccatntaca cccaacttnc agncgtncca gctttntccc tgggacggtt 480
tatttggcnn nttntccccg agccaaactt atggaanggc ctnntgggca ttggacagaa 540
nagttgccnt aaangctttt tttaaggngc ttnnggccac cttacaaaac ctttgt 596

<210> 38
<211> 596
<212> DNA

15

<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(596)
<223> n = A,T,C or G

<400> 38
tgaggatatg aggaagantg gagacgattc gatgtccagc acccaagcct ctaactcaga 60
ggaggatctc cctgaagatt accccgtggt caaaaacatg cttcacaggc tgacagctga 120
cctgacgctc gaccctcgca cagcacaccg tgatctgctc atctcctctg actaccgcgg 180
cgtgagtctg gctccacccg gaacgcctgc gccgctggac agccccgcgc gcttcgatca 240
gctcccggcg gtgctgggtg cgcagggctt cgcgtcaggc cgccactgct gggaggtgga 300
gaccgcggaa ggcgcgtcct tcagagactc tacagctcag gatgagaacg cgggagagag 360
ctgctacgcc gtgggcgctg ccggggagtc cgtgacccgc aagggcctca tcaagctgtg 420
cccatcggag gctatatggg ccgtggaggg ccgcggcggc cgcttgtggg cgctcacggc 480
tccagagccc accctgctag gtggtgccag gcccccgccg cagcgcattn gcgtggactt 540
ggactgggag cggggtcgt gtggccttct atgacggccg ctcatttgga cttgct   596

<210> 39
<211> 592
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(592)
<223> n = A,T,C or G

<400> 39
acctgagggt ggaaagataa cagaccngtn tgaaacccgt anacgtgggg gcgctatcga 60
agtgggttgg gaagataccc ccggacgtct tacaagacat ggccgtgatt gcacccatgc 120
tcgccaagct tggatatgac tccatacgcc aatcctccta actacggaaa acctgacccc 180
aaganccttg aaaacaccag gagggtctat aanggagaat ttcagctccc tgactttctg 240
aaagaaaaac cccagacgga gcaagtggag taactgagcc cgtaacttcc cacaggacg 300
actgctgcct tgtctacaga agggaaatct cgggaacggc tgtctgctgc gacaaggagt 360
gtctgtgccc atcgctcctg ttcacctgcc agcctcctgt ccccagggg ggtgtcacac 420
acccgggcct ccccaagtga tggctcttga gcccaggaac atgcatggcc ctnaggatga 480
ggagcccagc agggacacag ttctgtcaca gctcctcttg tccttgtctt tccttcccag 540
gtnccagtct ttaatttcaa ggaaaggaga gtttgaagtt ggcattctgt ta   592

<210> 40
<211> 589
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(589)
<223> n = A,T,C or G

<400> 40
tagcatttga tgagctgaag accgactaca agaaccctat agaccagtgc aataccctga 60
accctcttgt ccttccagag tacctcatcc acgcgttctt ctgtgtcatg tttctctgtg 120
cggcagagtg gctgaccctg ggcctcaata tgccccatttt ggcataccat atttggaggt 180
atatgagtag accagtgatg agcggccctg gcctctatga cccgacgacc atcatgaatg 240

16

```
cagacattct agcctactgt cagaaggaag gatggtgcaa actcgctttt taccttctag 300
cgtttttta ctacctatac ggcatgatct atgttctggt gagctcttan aacaacacag 360
aanaatcggt ccagttaagt gcatgcaaaa cgccaccaat gaagggattc tatccagcaa 420
ggtcctgttt ccaagagtag cctatggaat ctgatcagtt actttaaaaa atgacttctt 480
attttttaaa tgtttccaca ttttttgctt gtggaaagac tgttttcata tgttctactt 540
ggataaagaa tttaaatgga attacgtnta aattaatata aaatgatta 589
```

<210> 41
<211> 581
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(581)
<223> n = A,T,C or G

<400> 41
```
ctggacccag aaaagcttgg cgtatcttgt gaagtcatcg atgctgcggt caattgtgcc 60
ttgggaatgn ggatacagtt tgcaagtctg tgatcaaaac cggtgcgact gttgatgcag 120
ccacgtaggc tcccttaaca ggcggctttg cctctgagat cagctccacg gtccaggaag 180
aatgtttctt gaacctagag gctccaatat ctcgagtttg cggatatgac accccgtttn 240
ctcacatctt tgagcccttt tatatcccag cacaaatgga agtgctacna tgcccttcnn 300
aagatgatca actattgacg acagagaaaa ccaggaagat catgaccaga catggaaata 360
ttttctgaa accttttat atttccttat actnctttct tcttacatat agagntatgc 420
nacnanctgt catggatatt ggctgangag ctgcnaatta cttatcatgt tantataaat 480
ggattgagng cncaggaagg aatgctttaa ggagtgcgtg ggcggaaatc ttaagactgt 540
ttcangacta taantaccgg gggngggggtg gattcaataa a 581
```

<210> 42
<211> 580
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(580)
<223> n = A,T,C or G

<400> 42
```
ccatccggtg ctgggccgga acctctngtt nanagagacc cggcctggga gtgggcagcc 60
tgtccgcttc tctgtgctgc tgctgcatgg tatccgcttn tcctcggaga cctggcagaa 120
cctgggtact ctgcaaaggc tggctgaggc tggctacagg gctgnggnca ttgatctgcc 180
aggncttggg cgatccaagg aagcancagc ccctgcccct attggggaac cggcccctgn 240
cagcttccta gctgctgtgg nggatacctt ggagctggga cccccagttg tgatcagtcc 300
atcattaant ggcatgtatt cactgccctt cctcgtggcc cccgggtccc aactccgggg 360
ctttgtacca gtggctccta tctgcacaga caaaatcaat gctgtggact acgccagtgt 420
gaagactcca gctctcattg tatatggaga ccaggacccc atgggctcct ccagctttca 480
acacctgaag cagctgccca accacagagt gctggtcatg gaaggggcag ggcatccctg 540
ttacttggac aagcctgatg agtggcataa ggggctgctg 580
```

<210> 43
<211> 580
<212> DNA
<213> Mus musculus

17
```

<220>
<221> misc_feature
<222> (1)...(580)
<223> n = A,T,C or G

<400> 43
tgaggtgagt gcaggatccg catccggatg tggtggtcct tgatccttct ttcttgcctg 60
ctggcactga ccagtgccca tgacaagcct tccttccacc cgctgtcgga tgacctgatt 120
aactatatca acaaacagaa tacaacatgg caggctggac gcaacttcta caatgttgac 180
ataagctatc tgaagaagct gtgtggcact gtcctgggtg accccaaact gccaggaagg 240
gttgcgttcg gtgaggacat agatctacct gaaacctttg atgcacggga caatggtcc 300
aactgcccga ccattggaca gattagagac cagggctcct gcggctcttg ttgggcattt 360
ggggcagtgg aagccatttc tgaccgaacc tgcattcaca ccaatggccg agtcaacgtg 420
gaggtgtctg ctgaagacct gcttacttgc tgtggtatcc agngngggga cggctgtaat 480
ggnggctatc cctctggagc atggagcttc tggacaaaaa aaagggctgg gttcaggggg 540
agtctacaat ttntnatgnn ggntggttac cataaaccaa 580

<210> 44
<211> 579
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(579)
<223> n = A,T,C or G

<400> 44
tgaggaactg gtgtccttac cgaagtccgg ctggtncctt tgtagctgct tgcaaaacag 60
agaaattcct ggtccattca cagcagccat gtccacaggg agcccctgac tgccagggag 120
tcagagtcat gtatcgagtg gcccagaagc cagtgtacca ggtccagcag aaggtgctga 180
tctctgtgga ctggcggtgc tgcccagggt tccagggacc agactgccag gaccacaana 240
tcccagctta cnntntttnn gctcaanctc cntccaaant gntggnantn cggnannatg 300
gatactggtc catnctcagg cactttagaa gggccaagtn accctaaaat tgcctctaga 360
attttggctg ggggagaact tgcatattgn ttactaaggg aacaataata tttaatagac 420
tgatttattt attgttacca cnaacantga acacttgcag catcaagaga accacacctt 480
aaattgagta cactatgttt ttaattcaaa tggatatact tggatttatg atgcaactct 540
gaactgtaca agaaataaan tttagaacca tttaaatat 579

<210> 45
<211> 577
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(577)
<223> n = A,T,C or G

<400> 45
atttttttgag attgcccaag ttttgaagta cttcctcaga agatggtacc acccggagcc 60
cgcaggagtc cttcagtcac cagtgtctac ctgtggaggc ccagcccgag cgagagtcac 120
agaatcttct ggaagaaaat gcccttcctg ctctccaggt ttcttncgtt cccctgaagg 180
acagatcagg agctgacaga ttcactcctc tnagatggtc tnccataagt tggtgaaaac 240
tgaagatgtg gctgatgtac ctgtgtcctt catnctggag gaatggtgca catttgnacc 300
agaacccaga agtctactng angggacag caggaaagga ggatgagtga gagnaccaca 360

18

```
tcctgtnggn natcactntn nannttttnan tggnntgnca cttggttcnt gaaaccaggg 420
gtggagtncg acncnactgn ngtccaantg tttctgnctc ccgaangnng gaattnaggg 480
gagggngcnn tcnctcctgg cnagggacna nnttnaatna tgngtgggaa ncnccctnct 540
ggnnaaggan naatcntnnn ctgggagggc agcaaac                         577
```

```
<210> 46
<211> 574
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(574)
<223> n = A,T,C or G

<400> 46
ccaactacta ccgcacctgg naacgtcgtg gtccatgact ggctgtacag ctatgtgtat 60 ·
caagatgggc tgtggctctt aggcaggcgg gctcgcgggg tggccatgct gggagtgttc 120
ctggtgtctg cggnggttca tgagtatatc ttctgcttcg tcctgggggtt cttctacccg 180
gtcatgctga tgctattcct tgttttcggg gggctgctga atttcaccat gaacgacagg 240
cacacaggtc cagcctggaa catcctgatg tggacctttc tcttcatggg ccagggcatc 300
caggtcagcc tatactgcca ggagtggtat gctcgtcgac actgtcccct gccccanaca 360
acattctggg ggatggngac accccgctct tggtcctgcc atccctanaa gtcaaggctt 420
catgctacac aaangaacag natcaaagct nttttttttgc cttgcaaaag ccaaaaacna 480
gggttcccnc actacctnat ttgggangca gggactttgc naaaaagaac ccttccaggg 540
ggccatgggg gactaaggac cccccctttt gggg                            574
```

```
<210> 47
<211> 569
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(569)
<223> n = A,T,C or G

<400> 47
attctgttca gcggagcttt tagcccccagc cccacagaag tttncattta aaaaattatc 60
tgtcaaacca gggaagtgga ggcccaggcc tttaatccca gcactaaggn aagcagtagg 120
cagaaggttc tcggaagtca cctttgtgtg actgtatggc ctcaagatgg cagtcacctt 180
cattggaaac agcacagcca tccaggagct gttcaagcgc atctctgagc agtttacggc 240
tatgttccgc cggaaggctt tcctccactg gtacacgggt gagggcatgg acgagatgga 300
gttcaccgaa gctgagagca acatgaacga cctcgtctct gagtaccagc agtaccagga 360
tgccaccgcg gaagaggaag aggatttcgg agaggaggca gaagaggagg cctaaggcag 420
agagccctgc atcagctcag gctgcttaga tccctcagct ttctccaact gcccttttgtc 480
ctccagnttc tttctgctgc ctntgtcttg tatttgtttt gntctgtttt cttattgggg 540
nnaaatggtg cctggcacat ggcaggcac                                 569
```

```
<210> 48
<211> 568
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
```

<222> (1)...(568)
<223> n = A,T,C or G

<400> 48
tgaggcatgt ggcgacccca gggctaaacc ctcctacctt attgacaaaa acctgggaat 60
ctgctgtgaa attcatagtc agaaaatttc ctgctgtaga aacgcgcaac aacaatcaac 120
agctggcaca gctacagaaa gaaaaatcag agattctgaa aaatctggcg ttgtattact 180
ttacatttgt agatgttatg gaatttaagg accatgtctg tgacttgctg aatactattg 240
acgtttgcca agtcttcttt gatatnactg tgaactttga tttaacaaag aactacttag 300
acttgactgt aacctataca acattaatga tactgctgtc ccggattgaa gaacggaagg 360
caatcattgg actatacnat tatgcacatg aaatgaccca tggagcaagg gaccnagaat 420
atccncgcct tggtcagang attgtggact atnaaaaccc tttaaaaaag anganggaag 480
aatttgaccc catagcnagt ctctttcaga tgcgctaatt tctcttcaga nggggggatcc 540
tagacggaac ctttcagcag acccgtgg 568

<210> 49
<211> 564
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(564)
<223> n = A,T,C or G

<400> 49
acctgaggcc tgactacccc gcgggtactt ncaggccagc ntaactttcg gntgccngca 60
ctggggctgt caggcgtttc cnggaaggat ccagganccc cttanctaat ccaggcagtg 120
acctgggana actcggnaga ncccgtggca gccctcagca tccagctggt gaacctgatt 180
cctgntttcc ggntaggcct tcagatgtgt tttgctgaat atcactttca gaagatcccg 240
gctaaacttc ttctgtacat tgctgaggat gtcgtacacg actctctcca gtgggaccag 300
ggcttcagag ttgcctgaag ttccaggacc aacttgaaga tagagaagca aacaggattc 360
cccgagttct gtcctcacat gacccaactg cctctggctc tgggatttgg aggtcttcat 420
ggagctgagt ggcagccttc aatacttcct cgtatatgac cattaaaaaa attaccaaca 480
ccctatttgg tatatttgat ggaccttact ggagcaggaa aaatttgaat aaacttaaag 540
tgagtatcca taggaaaaaa aaaa 564

<210> 50
<211> 564
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(564)
<223> n = A,T,C or G

<400> 50
aacccttttac ctttgctgga gaggttgaag aggaaagtga agctgttaaa gaaagtgaag 60
aaactgaacc gaaacgtcaa tgaaagaatt taggtgtcag gtgantgact gttctangat 120
tttccaagca nttactggcc taatacagca ctacatgaaa cttcatgaaa tgaccccccga 180
ggaaattgaa agcatgactg ctgctgtgga tgttggcaaa tttccatgtg atcagttgga 240
gtgtaagttg tcttttacaa catacctgag ctatgttgtt catcttgagg tagaccatgg 300
aattggaaca aggacaagta aggcagaana agatggcata tacaagtgtg actgtgaggg 360
ctgngacagg atatatgcca ctcggtctaa tcttcttcga cacattcttt aataaacata 420
atgacgagca tanagcccat ctngattcgg ccaaagaaaa ttaactggcc agganaatat 480

20

```
atnaagtaan ggtaaaccaa gcaaaantca aagtctaaac atcggacaac aaaaacccca 540
acagatccgg gaaagacggg aatg                                        564


<210> 51
<211> 563
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(563)
<223> n = A,T,C or G


<400> 51
gagacaaggt aaggttactc ggcaggcagt taaacccaac agtgtaactt acaggaccaa 60
atctggcanc atcttgctgc ataagncaac cattancagg gaggctaccc ggttacggag 120
ccgatggctg acatatttca tggccgtcaa gtccaatggt agcgtctttg ntcgagattc 180
ctnccaggtg cacccactag ctgtgttgct cctaacagat ggggacgtgc acatncgana 240
tgatgggcgt agggccacca tctcattgag tgacagngac ctgcttcggc tggaaggtga 300
ttcacgaact gtgcggttgc taagggagtt tcgtcgagcc ctaggacgga tggtggagcg 360
gagcctccgc agcgagttag ctgcacttcc tcttaatgng cagcaagaac acgggcagct 420
gcttgcactg ctggcagagt tgcttcgagg accttgtggc agctttgata tgcgcaagac 480
agctgatgac tgagcctctc ttccgctggg gctatgtaca gagtgcaaat gtttatttaa 540
aataaagtta tatttatccc ttg                                        563


<210> 52
<211> 557
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(557)
<223> n = A,T,C or G


<400> 52
tgaggatcct gacaggctgt tactgatgta tcccgtgcta aggaccttta ccctctggct 60
ccactcttcc ctcactggga tctatgtctc tggctcttat ccatcgtttt tgtcaactg 120
tcccaatgag caaattgcca gagacatcgc cagggccatc ctggataaga agatggcttc 180
gtctgtgaac atcttgccga agacctcttc tctgtacttt tggaaaggag aaatagaaga 240
aggcattgag gtctcactgc taataaagac aaagacttcc aaggtctccc ggctgtttgc 300
ctatatgagg ttggcgcatc cttttgaaat cccagaggtc ttcagtattc ccatggacca 360
aggagatgct cgcttttttac gatggcttga ggagggaatg aaggagaact aaggagagag 420
aaccttattg tgcaggcttc tgcctctagc ctttgttgac tgtgttctgg gaaaaagcag 480
gcctccttct gcctcccatt gaatgttcct aacagcagac aggntctagc tgacctgngc 540
atgctgaatg aagggct                                               557


<210> 53
<211> 554
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(554)
<223> n = A,T,C or G
```

<400> 53

```
agttctgctc caactcaacc gngctgctgt aaggcacagn angcagctgc ccctggtggg 60
ggtcctcctg gtcctcctcc caacatggac cagtaacagg cggttacagc agtacccagg 120
cacaagtgga ggaggtggtg gacatcatgc gtgtgaatgt ggacaaggnc ttggagaggg 180
accagtaagt tgncagagct ggatgaccgg gctgtcgcct tgctggccgg agcatcacaa 240
tttgagagca gtgctgccaa gctaaaaagg aagtactggt ggaaaaactg caagatgatg 300
atcatgctgg gagctatctg tgccatcatc gtggtagtga ttgtaagaat gaanatatcc 360
tttggctaca gaaatgactg caaaaatggt cacccaagaa actggaattt ccccaggaat 420
ctcatgctgg gagaaagaaa angccgaagc ctgtgccagc caggaggacc ctgtgtctcg 480
gtgntgttta cattttgnan accatgctgg tncttaaact ctgngntcca cctgnctttg 540
ccacctgaat gctt                                                  554
```

<210> 54
<211> 550
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(550)
<223> n = A,T,C or G

<400> 54

```
cgtttatggc aatgttgcca ggtactttgg aaagtaagna nagaagcaag nacgggcaca 60
ctcaccagtg gnactgtgta cgtgaagccc tacagaaacg aggnngtntt cgcttttgcc 120
cgngaangag tgttttgcag gtgcnnnctg tnnnnctgac atnctacttg nagttgtgtc 180
nagnancttt cttctagaat gacgngggcc cgttgtngac tcncaccant acatcccatc 240
agatatcttt tcattgaccc ccanganann cctgtgactc tgnaccactt actgaagctc 300
ttccagtctg acaccaatgc catgctgggg aagaaaacag tggtttcaga gttctatgac 360
gaaatgatat ttcaagaccc aacggcaatg atgcagcagc tgcttacgac gtctcgccag 420
ctgacattgg gagcctataa gcacgaaaca gagtttgcag aacttgnngt gaaaaccagn 480
gaaagttaga agctgccaag aaganaacaa gctttgngat tgcgggagct taggggggag 540
attaaaagca                                                       550
```

<210> 55
<211> 548
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(548)
<223> n = A,T,C or G

<400> 55

```
acagcgagca gcactaaggc tttcgtggga ggcacaaaac aagnattact gtgccatttc 60
ttgagcaatg tccaatcagg aggtttatac aaggagagaa tgactgagct gtacgactac 120
cccaagtaca gctgccactt caagaaagga aagcggtact tttatttta caatacaggt 180
ttgcagaacc aacgcgtgtt atatgtgcaa gactccttag aggggggaggc cagagtgttc 240
ctggaccca acacactgtc ggatgatggt acagtggcac tccgaggtta tgccttcagt 300
gaagatggcg aatactttgc ctatggtctg agcgccagcg gcttccgact ggggtgacga 360
tcaanttcat gaaaggtcga tggngccaaa gagctncccg gatgtgctgg agannagnna 420
agttcacctg cntgggcctg gnnncntgac gggaagggga tgttttttan nttttacccc 480
cannaggacg ggaanangga ngggnccaaa anctccccca ntntcccccca aaaggttttg 540
tttccacg                                                         548
```

22

<210> 56
<211> 548
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(548)
<223> n = A,T,C or G

<400> 56
```
ccgccgcctc cgacggctgg cngtgttnng aagaataaga ctcgcacagc gtccacccct   60
gtcaacacgc cctccagacc tccttccagt gaattcttgg acctgagttc agctagtgag  120
gatgactttg acagtgagga cagcgaacag gagctgaagg ggtacgcctg ccgtcactgc  180
ttcaccacca cctccaaaga ctggcaccac gggggccggg aaaacatcct actgtgcacg  240
gactgtcgca tccacttcaa gaagtacggt gagctgccac ccatcgagaa gcccgtggac  300
cccccgccct tcatgttcaa gcctgtcaag gaggaggacg atgggctcag tgggaagcat  360
agcatgagga cgcggcggag ccggggctng atgtctacac tacgcagtgg tcggaagaag  420
cagcccacca gtcctgatgg tcgtgcctca cccatcaatg aagacatccg atccagtggc  480
cggaactccc ccagtgctgc tagcacttgc agcaatgaca gtnatancan agacagtgaa  540
gaagtcag                                                          548
```

<210> 57
<211> 545
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(545)
<223> n = A,T,C or G

<400> 57
```
acctgagggc cctctttctc tgctgtcctg tcgtaggacc ataacggagg actttcgggt   60
gccatttcag gatccgggat aggaaattag caaaagccgg ccnnncagga tgtncntaag  120
agngtgaaga ttcaggaagg ancnttcngg gaccnacaat agctnttnnc cagtgaacag  180
cttttctggc caagaggctt cacgacattt tagggattct tgttaccaag agactcctga  240
accttggaaa gctctgagcc attgtgggaa ctctgcagac ccacacacag caaggagcag  300
atcctggagc tgctggtgct ggggcagttc ctgaccatcc tatcttagga gttgcaggcc  360
tggctctagc agcagcaccc agacatcagg aaggaggcgg tggctagtct tgaagacctt  420
tgcaagccca naaaggaggt gagatgagga ttggggttct agacacttaa tactgaacga  480
agagcagagt ttgctttggc tttgggttac aagccctgcg gttcccttgt tttttgtgta  540
aacaa                                                             545
```

<210> 58
<211> 544
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(544)
<223> n = A,T,C or G

<400> 58
```
tgtgacgact tgttcacann taccaggctg caagcanctt gctggagcnc ntactgcnna   60
```

```
ctgccntggt acagcactca natgcttctg nacgaactac ggcancatga nnaccccagg 120
aantttgatg ntctggaata gcntggtnca ggncttgtca gncagtgtaa ggcacacttc 180
ttgctctctg cggtagntct gagntgggan gancctgcct atagcctggn tctggccagc 240
ctggcactac nctnctngnt ncagccccac ctaaccangg ttgggtnttg ggacggttgg 300
agcngggccc tggagggctt cccganagac agcccaggtn agaaggaggc tacttanacc 360
tacgacgcct aattcccctc ccctggntct tcttcattnt gagctgagng ggctgcccct 420
gcctggctcc tgagggttcc ctancaaagg tggggcnna aaggantcat tatctttga 480
ntatctgcat ttaaaactgc tccaggggct ggagagggct tgatgctttt ccagaggacc 540
caag                                                                  544
```

<210> 59
<211> 541
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(541)
<223> n = A,T,C or G

<400> 59
```
tgagtgtaaa tgagcaagat ggacctggaa ggtgggggag acgggcagaa agccccgagc 60
ttccagtggc ggaactacaa gctcatagtg gatcctgctt tggaccctgc tttgcgcagg 120
ccttcccaga aggtgtaccg ctatgacgga gtccacttca gtgtcagtga ctcaaagtat 180
accccgtgg aagacctcca ggaccccgc tgtcatgtca ggtccaaagc cagagacttt 240
tccctcccgg ttcctaagtt taagctggat tgtacatant gttaatagng aaaccnaaca 300
ccacatttt atanttggga ttaaacttta ttgtacggaa accttantna agganangnn 360
ccaaaaaata tggganaggng naagaagngg agatccttct tcatccccgc actcgaaagc 420
acctaggcct ggcccgtgtg ctcttnacca gcactcgggg cgccaaggaa actgtnaaaa 480
acctccacct nacctntgtc atgggcaaca tcattcatgc ccagcttgat atcaaaggcc 540
a                                                                     541
```

<210> 60
<211> 531
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(531)
<223> n = A,T,C or G

<400> 60
```
aggttgtcat aatacagnac ttggnaaact ctgcaagcac ttagcagtca gcatttcgag 60
cagcggaagc gagggcatgc tgtgagtttc caatgagctg tcacaatgtc agaatgcagt 120
tcagacagca gcagcacagc gctcgcagac attaaaacgt aagctgtgct agaacaaaat 180
gcaatgaaag aaacactgga tgattgaaaa gccctgcttt gcagccctc agcatggcag 240
gcctgcagct catgacccct gcttcctcac caatgggtcc tttctttgga ctgccatggc 300
aacaagaagc aattcatgat aacatttata cgccaagaaa ataccaggtt gagctgctgg 360
aagcagctct ggaccataac acaattgtgt gcttgaacac tggctcaggg aagacgttca 420
tcgcggtcct gctcaccaaa gagctggccc atcagatcag gggcgacctc aacccgcatg 480
caaaaaggac cgtgttcctc gnaaactctg naaaccaggt tgctcaacaa g          531
```

<210> 61
<211> 530
<212> DNA
```

<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(530)
<223> n = A,T,C or G

<400> 61
gtacctgcgg ttctctgnnt tctgcagttc ggcactggna aaccattcac cgtaatgtct 60
taggaaaaca gttggagcaa ctgcagcccc taacaggaag cccttggaag gctgcacctt 120
ggctcatcgt tgcctagtgc gtcacaggag cccttggctt caagcgcctc ccatgtgaag 180
tgtgtgtgct acggtcttgg gacctttgcc tcctgcccca ctgctcggat ccagcttgct 240
tttatgcttc tctttctaga gaagtgccag gtccccagaa gtcactgctg ggtctatgac 300
cctctgttca gtcagactga ggtttccgtt ctcacctccc tcggcgtgac tgtcctcagt 360
gagaatgagg aaggcangcg cnntgcncnn ngncagnnna ctgtgttata catgncncnn 420
tgtgggacan ctgtntacaa caacctgctg tggagnaact ggtctgcnga cnccgtgngn 480
agggngctca tcntagggaa cagttnacga ggccttgagg aaaggttgtt 530

<210> 62
<211> 526
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(526)
<223> n = A,T,C or G

<400> 62
cactgacaaa ctggccttcg atgttggcct tcaagaggat accacagggg aggcttgctg 60
gtggaccata catcctgcct ctaagcagag atcagaagga gaaaaagtgc gtgttggaga 120
tgatctcatc ttggtcagcg tgtcctcaga aaggtacttg cacttgtcat atggcaacag 180
cagctggcat gtggatgctg ccttccagca gaccctctgg agcgtggccc ctatcagctc 240
aggaagtgaa gcagcccaag gctatctcat tggcggtgat gttctccggc tgctgcatgg 300
gcacatggat gaatgtctca ctgtcccttc aggagagcat ggtgaagaac agcggagaac 360
agttcattat gaaggtggng ccgtatcagt tcatgcccgc tccctctgga gactanagac 420
cctaagagtc gcgtggagtg gaagccacat aagatggggc cagccattcc gactccggca 480
tgtcacgacn tggaaaatac ttangcctca tggaagacaa gaacaa 526

<210> 63
<211> 515
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(515)
<223> n = A,T,C or G

<400> 63
gtgacttatt actatnncag cagaacctgc ctccccagca gattgccagc acctatgaca 60
tcatcccctt cttcgtctca ttctgtggtc tcctaaatgc tcatctcgtt ggcctgggtt 120
cagttggtgg tatggagggg tgctgcttag cactgacctg agagtgtgtg tgaaacccac 180
tgacccaatg gacatcaaag gccagttctg gaatgatgat gattcagaag gagataatga 240
atcagaggaa tttctgtatg gagttcaggg gagctgtgca gctgacctgt atagacaccc 300
acagcttgat gcagacattg aagcagtgaa agagatctac agtgagaact ccgtgtccat 360

25

```
cagagaatat ggaactatcg atgacgtgga ccttgacctc cacatcaaca tcagcttcct 420
cgatgaggaa gtatctacag cttggaaggt ccttcgaaca gaacctattg tgttgaggct 480
acggttttct ctctctcagt accttgatgg accag                             515
```

<210> 64
<211> 515
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(515)
<223> n = A,T,C or G

<400> 64
```
gattcggggc ttgctccttg ttggnaatgt angaacttgg angtacacgt cctctgggtc 60
ttccggtccc tggaagnaaa ttagtgctgg gcgngtctac ntaagtgcca ntcagcaact 120
ttgttaccac cactctctga actggaccag gacttctgcg ggggcccgca gaggagagac 180
ttgacatcaa gtacaaccgg cctctgggag aatgcgtggc agagggcaaa gtgtgtgatc 240
cactgtgctc ctctggggga tgctggggcc caggccctgg ncagngcttg tcttgtcgaa 300
actacagccg ngaaggtgtc tgtgtgactc actgcaacgt tctgcanggg gaaccccgan 360
agtttggtca tgaggctcat tgcttctcct gccatccaga atgccagccc atggagggca 420
ccagcacgtg caatggctcn ggctncgacg cttgtgctcg atgcgcccat ttttcgggga 480
nggggcccac tgtgnggaac agttgccccc atggg                             515
```

<210> 65
<211> 512
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(512)
<223> n = A,T,C or G

<400> 65
```
acattcagga cctggngaaa atccaccntn attaaacgag actcagtncn tnnncaacct 60
ggtantgagg gatcnncngn cnctttcatt tcnaaangnt gngcacggaa acaaatacta 120
atgaacgcat ctctntgcgc cggggtngtg gaaaantgan gaaggggagg tatnaaggnn 180
aaaatntaac ttggggggaca cgcctggctt tggggactnt gtggantggt caaactgctg 240
gctgcctgng gttcgcttta ttgaggagca ntttgagcaa tacctcaggg atgagagggg 300
cttgaacagg aagaacatcc agggattcca ggagtccatt gntgcctcta cttcatataa 360
ccctttggcc gagggctccg gcccctagat gnggctttnc tccggggcag tgcncgagaa 420
agtnantatn atnccgggca ttggnaaanc aaaacgccct tgatgcctag gggagactna 480
ggcccttcaa gcagaaaaac cggggaccag tt                                512
```

<210> 66
<211> 507
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(507)
<223> n = A,T,C or G

<400> 66

```
aggacccatg gcgcactcag tgntncagat gcnaggtcaa gagacccttt cagaaanatg 60
acttcttatt tataaactgc acttattgca accacagggt acccgactnt tttctggtat 120
gtccaatatt ctggagaagg tccacagctc cttctgcaag tcacaactgc caacaacaag 180
ggaagcagca gaggtttttga agctacatat gataaaggaa ccacttcctt ccacttgcag 240
aaaacctcag tgcaagagat agattcggct gtgtactact gtgctatgag agacacagtg 300
gcagaaactg cagggggcagc tgagcataaa gtctgagaag caaaagaaag cctgactttt 360
gataattttc cttttgaatc atcctgtttg catgcagtct gtgttgtgta ccaacatttc 420
tctagttgat gaaagtcaaa caaatggtca gagcagaata caaaatagat gatactacaa 480
ctgtattttt gtacaggaaa ttagacg                                      507
```

<210> 67
<211> 498
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(498)
<223> n = A,T,C or G

<400> 67

```
acccacactt tctcaangaa tggtggcngt ctggcatgca cctgctgatc nnnnccacan 60
ccatctggaa gagctctgtc caccttcttt ctgnaccaac ggggntnant gctatgngna 120
ggcctnaggc cgcccacagn gctcctgcga ncctgggtgg acaggntgag caatgccagc 180
tcnganactt ctgnttancc naccccctnng ccaacggagg cgtgtgcctg ggcacatacc 240
cacanancca gtgcnggtgt ccacctgggt tcnagggtca cacctgtgaa cgcnacatna 300
acgagtgctt tctggagccg ggaccctgcc ctcagggcac ctcctgccat aacaccttgg 360
gttnctacca gtgtctctgc cctgtggggc aggaaggncc ccagtgcang ctcaggangg 420
gagcctgccc tcntggaagc tgtctcaatg ggggcacctg ccanctggnn ccagagggac 480
actccacctt tcatctct                                               498
```

<210> 68
<211> 493
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(493)
<223> n = A,T,C or G

<400> 68

```
catgcccagt tgctgtantc ccnnatagtg attgagcaaa atgggggact ccttcaccat 60
ccagacgtgc agcagcctca gggaactacc ttgtaaaatt caaagttgga gaagagtttg 120
aggaggataa caaaggcctg gataacagaa aatgcacgag cctggttacc tgggagaatg 180
acaaactcac ttgcgtacag agaggagaga agaaaaacag aggctggagc cactggatcg 240
aaggggacca gctccacctg gaaatgttct gcgaaggcca ggtgtgcaag caaaccttcc 300
agagagcctg atacatctcc agcaacagag cccgcttgag gcaactactc aatgccaagt 360
tatctcgtag aaggaacggg tgtttgtctg ttttgggttg atgaagggtc ttgtcattgg 420
aaagatgtca cacagcctgt atganaaact gtttgatttc aggacagttt cagctccaat 480
aaacctgctc aag                                                    493
```

<210> 69
<211> 491
<212> DNA
```

27

<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(491)
<223> n = A,T,C or G

<400> 69
catgcctggc cagggntctt gttccccccc aaggaaactg gtgaaggagg agganaatct 60
tcaggtaccc ttcacagtgc tgcagggtga gggagtggaa ttcctgggcc gggcaaccga 120
tgccctcatt gccatctcta actaccggct gcacatcaag ttcaaagact ctgtcatcaa 180
cgtgcccctc cggatgattg acagtgtgga aagccgtgat atgtttcagt tgcacattgc 240
ctgcaaggac tccaaagtgg tgaggtgagc acagcgggtc tcgttcatgg nctctgaccc 300
tcgccttgtg canacagaca gacctctctg ttgcacgcta cccttggagt aagaggatcg 360
actccacttt ctgttcccca ctggaggaaa aggggacaac tcacttcccc gttcttagtc 420
agaaggtcaa ttggctaacc cattctgtct tgacttgaaa taaaatgggg atggagccgt 480
aaaaaaaaaa a   491

<210> 70
<211> 491
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(491)
<223> n = A,T,C or G

<400> 70
ggcaataagg ccctgcnctg ctgggaaaca ttgatgatgc cttacagtgc tactctgngg 60
caattaaact agatccccag aaccatgtgc tctacagcaa tcgctctgca gcctacgcca 120
aggaaaggag actaccagga aggcctatga ggacggctgc aagactgttg acctgaagcc 180
tgactggggc aagggttatt caagaaaagc agcagcccct tgaattccta accggtttga 240
ggaagccaaa cgaacctatg aagaaggttt aaaacatgaa gccaataatc tccagcttaa 300
ggagggcttg cagaacatgg aggccaggtt ggcagagagg aaattcatga atccattcaa 360
cttgcctaat ctataccaaa agttggaaaa cgaccccagg acaaggtcgc tgctcagtga 420
ccccacctac agggagctca tagaacagct gcagaacaag ccgtcagacc tgggcacgaa 480
actacaggat c   491

<210> 71
<211> 475
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

<400> 71
tctggggaaa gcaaggactc aggctcccct acccacaggt cagcttctag gaaaaatgct 60
agggccgaga gcctggagca caccgagaag ccggaacctg cggncgtcgc tctgtctcc 120
ggaaagggga agaaaggcaa ggnaaaangt gcnacggtcc ctgtctgcct cagcctncag 180
aagngggagc cccnaaanat cagggtggnc cacattttca acangtcaca cacagcctga 240
ggcctgnnct aataccacat tccccgaata cccccatcct nccaaggcca ttgctacctg 300
ctctncaagc ccctcccaca aggccattgc tacctgctct ccaagcccct cccataaggc 360

28

```
cattgctacc tgctctccaa gctcctccca agtgnctgga cttaccctcc tgtcagaaga 420
cagtgagtga tagcaagcat cagactgctc accaagtgtt tttaaatata caagc     475


<210> 72
<211> 475
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

<400> 72
aatacggatg dacccccacnc ataactgcat gcctgatgga catantnaat gccaaggncc 60
atgcactcat taactggtag cctttncagc cntccttcta acatcagggn tagtaatatg 120
atttcactat aattcagtna cnntattaac cctnggncta ctgaccaata tcctcacaat 180
atatnaatgn ngacgagacn taattcgtga nggaacctac caaggccacc acactnctat 240
tgtacaaaaa ggactacgat atgggataat tcnattcatc gnctcggaag tattttntt 300
tgcaggattn ttctgagcgt tctattattn tagcctngna ccaacacatg atactangag 360
gctgcngacc tncaacnnga atttnaccac ttaaccctct anaagnccca ctacttanta 420
cttnagtact nctagnatca cngtgttttg aatttcntng agctcatcat ttggc     475


<210> 73
<211> 472
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

<400> 73
catattcgag cacctgctgg ccctgttggn gtnctncgta ctgnnggcac tgcnagtgga 60
tggcttgact ccggtgcctc tcctggtgnn aacgtctttg tgcccttttt ngccgncnac 120
gggctcagta cctacttcac caccatcgtt nncgttcgac tcttncaaga tggggagaag 180
cgactggctg tgctgcgcct cttctgggtt ctcaccgtcc ttagcctcaa gtttgtcttt 240
gagatgttgc tgtgccagaa gctagtggag cagactcgag agctctggtt cggcctgatc 300
acgtctccgg tcttnattct cctgcagctg ctcatgatcc ggacttgtcg cgtcaactag 360
cctcttgcag tggctggaaa tggagcactg cgcagctgga gttctggacc tcccggtcct 420
gacccaactt ggtgccacac ttggtgganc tttggatcaa aaattagagg gt         472


<210> 74
<211> 471
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

<400> 74
aagctttctc actatttgac aagggacggg gnatgggtac aataacaaca aaggnagctg 60
gggacagtga tgaggtccct ggggcagaac cccacagaag cagaactgca ggacatgatc 120
```

29

```
aatgaagtag atgcggatgg taatggcaca attgatttcc ctgaatttct gacaatgatg 180
gcaagaaaaa tgaaagacac agacagtgaa gaagagatta gagaagcatt ccgtgtgttt 240
gataaggatg gcaatggcta tattagtgca gcanagcttc gccatgtgat gacaaacctt 300
ggcgagaagt taacagatga agaggtcgat gagatgatca gggaagcaga cattgacggg 360
gacggtcagg taaactacga agagtttgta caaatgatga cagcgaagtg aagacattgn 420
acagaatgng ttaaatttct tgtacaaaan ngtttatttg ccttttcttt g       471
```

<210> 75
<211> 468
<212> DNA
<213> Mus musculus

<400> 75
```
catgccgtgg ctcagtcaac atgcccttca tggacttcct gacgaaagat ggcttcgaga 60
agagcccaga ggagctgcgt gccatattcc aggacaagaa ggtggacctc tcacagcccc 120
tcattgccac gtgccgcaag ggggtcactg cctgtcacgt tgccctggct gcctaccttt 180
gtggcaaacc cgatgtggct gtttacgatg gctcctggtc agagtggttc cgcagggcac 240
ccccagagac ccgtgtgtcc caggggaaga gtgggaaggc ctgagtgtgt gcagcctcct 300
cctctgccca cccaatccag ccagttccct tcagggaggt tggtgtgacc tgctgtaggt 360
tcacctttta ggctacggat attgacaggg ttttagaatt gctcttggtc cctccctccc 420
tccctccctc tacattggaa taaagtgcct tttctcagaa aaaaaaaa            468
```

<210> 76
<211> 467
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(467)
<223> n = A,T,C or G

<400> 76
```
agctccatct gggggccggc ntctgtgtgg gcctcagccc tcctgctgct gtggctgctt 60
ctcctaatcg ctgggggatca gggacncaca gggacaccac cgccacggga aaaggggctt 120
cncatgctga actcagggtc aantacccgt ncgngctgcc ctggcngagc tagnggncct 180
gncctgcttc tttaccctgc aancacggct aagctccctg cgagacattc ctcggatnan 240
gnggactaag gttcagactg catnaggcca gcgacaggat ttgccaatct tggtggccaa 300
agacaacgtg gtgcgtgtgg ccaagggctg gcagggacgg gtgtcattgc ctgcttatcc 360
ccggcacaga gccaatgcta cccttctgct ggggccactt cgagcaagcg actctgggct 420
gnatcgctgc caagnggnaa agggtatcga agatgagcag gacctgg            467
```

<210> 77
<211> 462
<212> DNA
<213> Mus musculus

<400> 77
```
agcacctcca accatctgtg gctcctgtct gatatcctag gccagggggc cactgcaaat 60
gtcttccgag gaaggcataa gaaaactggt gatctctatg ctgtcaaagt atttaataac 120
ataagcttcc ttcgcccagt ggatgttcaa atgagagaat ttgaagtgtt aaaaaaactc 180
aatcacaaaa acattgtcaa gttatttgct attgaagagg agacaacaac aagacataaa 240
gtgcttatta tggagttttg tccctgtggg agtttataca ctgttctaga ggagccgtcc 300
aatgcgtatg gacttccaga atcagaattt ctcattgtct tacgagatgt gggtatgttt 360
atgtgatttt atatatgtgt ttgcttatat gggttcacac gtacgtgtat tatttaaaga 420
tacagaatga aaaaataatt tcctacattc aaaacaaaaa aa              462
```
```
                              30
```

```
<210> 78
<211> 453
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(453)
<223> n = A,T,C or G

<400> 78
cagtttatga tgcttcacac aatctagtga gnaaaactgc agnncnttgn ctttctcaaa 60
atgactggta agntagnatg ncagcaacag tatnatttt ttcaaaancc agaactttat 120
atacgggaga gtgtnaaagg ancgtgtgga caggaaagaa gttngcagca actgtacact 180
anctacnagg accctcagga tgaaaanana ntnggaatag atggnataca gcagttctgt 240
gatgatctgg ccctcgatcc agccagcatc agtgtgatgn tcattgcntg gaagntcagg 300
gcggccacac tgtgcgagtt ctccaaacag gagttcatgg ntggcatgac agagttagga 360
tgtggctgcc tagaaactct aagggcccng nnacccanna tggancanga ntngnnagaa 420
ccaggacgat gtaaggattt ttaccagttt act                            453

<210> 79
<211> 446
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(446)
<223> n = A,T,C or G

<400> 79
aactcaagac ttgttattcc aacttccctt tggttcacac accagaacgt tcctccagga 60
agtggccaga gcctgtccag gtaggtanca tccagagttt cctggaaagg ctgtgttggc 120
tgagagcact gctgtactct cttggtagtg acagttgact ttccaacccc attggggtca 180
tacaactcag tttccgcacc atctcanggg nggtggcatg gagtcacagt gcctgggctg 240
ccagctagct acacgtttgc tttncctttt tgagaangag ggtttcgctc cctattnctg 300
anncttnnnc tcagcttcct cccgagggct tggcctncaa cttggggacc aacctggccg 360
ncnttgggtt ttngnttcgg gtacaaaaac ctgaatgtta actggggctt gggactttga 420
ganttcgggg gcttcctcca agttaa                                    446

<210> 80
<211> 443
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 80
caattttgaa ggatcatggn ctttacaggg aaatctgacg tttggatggg atgggccgtc 60
ctggaggcta ctcacggttc tcangttgct gtgtctgnaa gccnagcgct ncacatcctg 120
gaaaaaggtg ctccttggcg aagtcatcnc cgatacaaac gagaagacaa gcttgggcgt 180
ggcccagaaa atatgctctg acgtcatcga ggagacacac gctgtgctgc gcaaggtttc 240
tgacatgaag gaagggacag tgtcactgag aagccagctc tccttggtgg aagccttgag 300
```

31

```
gatggaagag ctnangattc tccaggcttc tgctgaaatc ctgagtggct tgctagcccc 360
cttttcctg  acctcccggg gtcaccgngg ttccctccta tggaggatgt accngccggc 420
tgcgtnttta ctgaggttgg aaa                                         443


<210> 81
<211> 440
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 81
tcctgctgct gcctttgctn ttcgccgggt tttatgagct tgtactgncg nttttnattn 60
acagggtgng naactgcnct ttcgagtgan gantnanccn cactncntgt nttacccngt 120
ataatgatta gaatgccttn cctacaaaat ttnccaaact naacaccaaa ctggttctnt 180
ggnatatnaa aaagaacggn atcgaggaaa cagntgctaa gtgcaggang ctgggtgccc 240
aggcccntcc ntttgtggng gactgcancc agcgggaaga gatttacagc gctgcaaaaa 300
aggtaangga agaagttgna natgttagca ttntggtaaa tatcgccggn gttgtctaca 360
ctgcanactt atttgctncc caggaccctc anattgaaaa gactttanan ntantgngct 420
tgcccacttt tggaccacct                                             440


<210> 82
<211> 433
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

<400> 82
ctgtcagcgc ttcagtggaa caaaaccatc ttcgcatttt ggggctgcta ggaacttggt 60
tcagaaggct caattggggg atagccgact gagcccagaa tgtggggcat ctggtattga 120
ccaccctctg cccggccctc catgctttgg tggctgatgg gctgaagcca ttccggaagg 180
acctcatcac tggacagcgg aggagcagcc cttggagtgt ggtggaggca tctgtgaaac 240
caggttnctg cacacattcg atgggatctc tgtacagcca ggtcanccga ctggcccctc 300
tgagtagcag ccgcagccgc ttccacgcct tcatcctggg cctcctcaac accaaacagn 360
tggaactgtg gttttccagc ctncaggang atgcaggcct actgtccctc ttgtatctgc 420
ccaccggatt ctt                                                    433


<210> 83
<211> 430
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(430)
<223> n = A,T,C or G

<400> 83
gttaatactc ctgatagagc cntaccggaa ctccctnatg atcacntnnt cgntcctttt 60
```

```
ggtccatntc tccgcgctgg aaaacaaaga ggtagaagca tttggcncat ggctcccaac 120
acagacagac acacagagac acatagcnat naaaactcac catggcagaa acagtgaaat 180
ctcgggcatg catcttcttg gtgagccagn ccaccttnct tctggngttg ataaagatga 240
ctgcctgggt gatggtcagc gtctcataca agtcacacaa atggggtnaa gcttccactc 300
ctggaagatt cagaaagtca ggggttacac ttcaacaaac tttactacca gggctgcctc 360
ctggactggg ggcctcaacn ncttggtccn cattgatgna naattggggg atncctccag 420
gggcaatttt                                                        430

<210> 84
<211> 423
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

<400> 84
tgacactaag tttatccngt gatgcgggct nnnggtgatt taattnttaa ctgttntnct 60
agctatatag tgaaaaagac tnanatcttg ntntgnagaa ccnggantan ntaanattct 120
gnctgtggat aatcccgttt gctttcttcg tgtcactttc ggctggggag aatgtcctgc 180
cctccaccat gcagccaggc gatgacgtgg tctccaatta cttcaccaaa ggcaagcgag 240
gcaagcgctt aggcatcctg gttgtcttct ccttcatcaa agaggccatc ctacccagnc 300
ggcagaagat atactgaccc tttggggagg gcatgtgggg ggcaagacca agagagccag 360
gcccctggga ctctgggcta atcgtgcctg ggagcctggg aaggagnctt ctgccagccc 420
agg                                                               423

<210> 85
<211> 423
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

<400> 85
cccccccaaca tgaacccagt anaaccatgt ccctttgacc agcctcaccc ccagggtctg 60
ctgcagtgcc agtcccaggc aacatgctgt gtccagccct gaacccatgc tttgctcaga 120
tgtgactatg gtagtaggac agctgcctaa ctcagcctgt gggaggtttc ccccaaggca 180
cctgggtcag ngaagacatg taccctcccc tgatgcctac ccactgaaca ggacctcacc 240
aagctttttc tgggagaacc aaggggaggc aggaggggtn cttaagaaag ccagcccctt 300
cctngaacca ttttccttat ggggaaatca gggnatctan ntgtccncct ggaccnaagg 360
gaccaanccc nanctngggg gatcccanct gggaaaancc caaaaaaaa aggccttttt 420
ttg                                                               423

<210> 86
<211> 422
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(422)
```

33

<223> n = A,T,C or G

<400> 86
atggcgtcca tggactggcc tggcaccoca cactgngcac aagtcacoca ttctatgatg 60
tggccagaca cngnatnctg caggtggcag anggctttg gagnggccat actgtgactc 120
antaacttca anatgaggga ttggtngcct tcngctatgg nccncaggtg gnaatggaac 180
ccagtggncc aggcaagagg acccagtttg gaaaanacgn tgttttctgc tgttgcgccc 240
anaatccctg cagacagggg angngactgt gtgttgggtt agagcacana tctntnnact 300
aagcanaggc ctggccacag tnnctannga gagggagatg aatggatgct gnatctacaa 360
gcagattgtt ctggnatctt aaacactatn cgggctctgg agctccgaag aggaaaaaaa 420
aa   422

<210> 87
<211> 421
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(421)
<223> n = A,T,C or G

<400> 87
tcctcttcct acgctgccga acgaagcaac aggcagctct ccaatgnaat accctgcatc 60
ctcccteett tagtcgctcc aactctcaag cctcagtaga cagcagcgca tccatggtag 120
gagttcctgc gggaaattga gagtatcaaa gagagcagcg tgggggcgtc gcaggagcag 180
ccacccactg ctgctgctgc tgctgctgaa gtcaagccag tggatgaagg agagcttgaa 240
gcggagtggc tacaagatgt gggattgtca actctgatct ctggcaacga agaggaagac 300
ggtaaagcgc tcctgtctac attgactcgg acccaagctg ctgcagtgaa aaagagatac 360
aacacatata ctcagactct gaggaaaaag aataaacaac ccgtcaggga tgtcagagac 420
a   421

<210> 88
<211> 420
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(420)
<223> n = A,T,C or G

<400> 88
accagtggtc ctgcgcctgc tgnanttagg nattctgcct ggtggtgggg atcctgacat 60
caaggnatgg gacaccccgg caggaggttc ctggggcctg cccccaaca atatgaagag 120
cctttgctga ggccatgagg ggttaccatg gcgaccgagg cagccatccc cgcccagccc 180
gctttgctga ccaacagcat atggacgtgg gcccagctgc cagggccccg tacctgctgg 240
gctccaggga ggccttctcc accgagcccc gcttntgtgc tccgagagct ggcctgggac 300
accttctcc agaaggaccc ctgagcctga gtgaggtcc atcatcagta ggccctgagg 360
gaggcccagg gggggtgggg ctgggggag gcagnannac cttcccagg atgtaccccg 420

<210> 89
<211> 414
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(414)
<223> n = A,T,C or G

<400> 89
gtccagtgcc agctgnggcg gngccgctac ccccacaagc ctgactgagt gctttgcagg 60
ccaggnatgg gaagcaaggc cacactcggn aggcacaggt ccccgagcat ncttctctta 120
cagaatcaac tccaccaccc atcctggggc agacctgaag gagaacttnt gncgnaatcc 180
anacagcanc accacgggac cctggngcta caccanagan cctactgtgn gcanagagga 240
atgcagtgtc nctgtctgtg ntgagctggg gccaggaagc aggtnatggc catggccana 300
ggggnacntn agaaggctng tnantattga gtggncatca naatgctggc nnccttttnan 360
aacaanagga aggagnttca aactgaaggn gcanttaggc caaggacatt tgcg 414

<210> 90
<211> 411
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(411)
<223> n = A,T,C or G

<400> 90
gtgcgagaag gaagccngtg gctgccctcc ctccncatgt gtccntgcca tgatcaggtg 60
nctatcagat gacgtcanaa ccaagttgcg ttccggttta gccataagct ccttgggcca 120
gtgtgttgaa gaacttaccc ttaacagtat tgatgctgaa gcaacatgtg tggccatcag 180
agtgaatatg gaaaccttcc aagttcaagt gatagacaat ggacttggga tggcgggggga 240
cgatgtagag aaggtgggaa accggtattt tactagtaaa tgccactcag tgcgggactt 300
ggagaaccca gcattttatg gcttccgagg agaggccttg gcaagtatag ccgacatggc 360
tggtgctgtg gagatttcat ccaagaaaaa cacaacactg aaaaaaaaaa a 411

<210> 91
<211> 410
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(410)
<223> n = A,T,C or G

<400> 91
gctctatgcc cagggtacta tgtggctggg ctgctccagc ctggcggaca gcatgccttc 60
gctgcgatgc ctgtataacc cagggactgg cgcactcaca gctttccaga gnggnnagc 120
tgtcgatann ggntccattn tgaagcactc cagnaggact tncangatgg actctangct 180
cntgctggtc ttccttagag gtgagcgagg acntgcttca tgctttcagn agangctgta 240
gaagaagcga ntggnncttt gtagnaggan ngtgaaagag canaacttgn tgcccaaagn 300
ttatgggatn anggtgngat gcttgagagt gtcttgncna gangtgttgt gctatctacg 360
ntanggtatt ngaaantntg cgtgttagcg tttaatacct tacatggaat 410

<210> 92
<211> 399
<212> DNA
<213> Mus musculus

35

```
<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 92
aggcaacatg gtaaggnanc tgcaaaccag ttgcagccac tgagtgagac tcaagtagtt 60
aactcagnag ggcggctgtg tatggcaggt caccgacatg aaccggctgc gccgcttctt 120
gtgttttggc tctgaaggtg gcacgtacta tatcaaagaa cagaagctgg gccttgagaa 180
tgctgaagcc ttaattagac tgattgaaga cggcagagga tgtgaagtga tccaggaaat 240
caagtccttt agtcaggaag gcaggactgc caaacaagag ccactgctgt ttgcactggc 300
cgtttgttcc cagtgtgcgg acataaacac aaagcaagca ncctttaaag nnnaanntga 360
agngtgtggc attncgaccc cctcttgact tttatccag                        399


<210> 93
<211> 398
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

<400> 93
gcaacgctgt tgcggtggta cttaaaggag ntcaaagacc ctttgatgca ggagcccca 60
ggtgtggttc aagnccttcc tgctctgnga gcttgtgttc cagctgcctt tctttcccat 120
tgcggcatat gccttcttca aaggaagctg ccggtggatc cgaatccctg caatcatcta 180
tgcagctcac accataacga ctttaattcc aatcctctac acactcctgt ttgaggattt 240
ctctaaagcc gttgctttca agggacaaag acccgagagt ttccgtgaac gactgaccct 300
cgtaggtgtc tacgccccct atttaataat cccccctcata ctcctcctgt tcatgcttcg 360
gaacccgtac tacaagtatg aggagaaaag aaagaaaa                         398


<210> 94
<211> 390
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

<400> 94
agaaaaagct tccgaagcaa caagtggcaa ggacccccgc caccttgcgc cctgcgtggn 60
cacccgcgac agctgcaagt ccacccgcac ccgcctgctg cgacccgtgc gcctcctgcc 120
agtgccgttt cttcggcagc gcctgcacct gtcnagtact caaccccaac tgctgacgca 180
gcttcttcgc tgcgcgcgca gcttcgggaa cgggtgattg ggcggggctt cagggtcccg 240
cgctttagg ctgagggggcg ggtctntgtg ggtggggctt gtgggtgggc gtggtcagtg 300
gttgtgactt gtgggcgctt tnaaaaaacc ggttttctag gaaacctagt ggaagctaaa 360
atcagaatac aataatattt ttaggctgcc                                 390


<210> 95
<211> 379
<212> DNA
<213> Mus musculus
```

<220>
<221> misc_feature
<222> (1)...(379)
<223> n = A,T,C or G

<400> 95
tgagatggaa tccgtgaaaa gggtgtggac cgaggctggg ggaggggcag gagaagctgc 60
accagatgtg gctcagctgg aaccagaaga ccccacagga tgctgaaaag gacccagcta 120
agccagagca ggtggaggcc cgggcactca gcatgttcag ggacatcacc cagcagctgc 180
agagcatgtg tgtggccctg ggggccagca tccagggctt gcccagccac gtcagggagc 240
aggcacagca ggccccgcag ccaggtgaac gacctttagg gccacctttt tccggcattt 300
cacttctttt ccagggacct tnttnagccg ggnggttttt ggcccaaaac ttcggggaag 360
ccgccattaa acccagaaa 379

<210> 96
<211> 378
<212> DNA
<213> Mus musculus

<400> 96
ataagctggg ggaagaaggc tgcgtacacc tcccaggatg ttgattcaga ctgcgcacca 60
ggaaaggggg aaacgtcctc accccgagg cacttgactt gcacctccag gcggcgctca 120
ctgccagtaa agtccaagta tcactctatg ggaaatcctg ggatttgaac aagatctgct 180
acaaatcagg ggttcccctt attgaaaatg ggatgatcga gcggatgatt gagaagctgt 240
ttccctctgt tcccctccct acctcctacc atataaatta tttatatgaa gatgtttatt 300
tttgtatata gatgctatca ctgctcaaag ttctattttt aaagagtgaa atatattcta 360
tacaaactca aaaaaaaa 378

<210> 97
<211> 378
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G

<400> 97
agtaacagtg ctcacaccaa ccactgcatc gncaangatg ctgcaccggc tggcccatgg 60
cctgggggatg gaagccctgc tnttccagct gaccctgttc tgcctcttca atacggctgn 120
ttagtgaccc agctgntgcg gnctacaaag agntagcgnc tttngccaaa nacatcnttg 180
gcaagntctt tgctttggct gcctntgaac cagcacngcg tantgnggag ctgctattct 240
ggaagaacac cgcagtggtt cgggaaatga cccagggata tggntccctg gacagtgggt 300
cttncagcca cagagntnct atgtngagcc ctgaggaaaa ggcccanctt taggaactat 360
acctggccca caaggatg 378

<210> 98
<211> 373
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

37

<400> 98
acctgagggt aggtacannc gacgatggag acactgctgt ncgtcattgt ggagaaggta 60
tcattacatg gaacggtttc ttccatcagg tagaggagat tcnaagcagc actagccagg 120
attgcatcaa natntanctc aggngangan naacacactc ntttcatnnt gnntncncca 180
cactcntatn gaagcctgna annccagcaa ggatcacaca ttcaaggnca gcgtgggcta 240
cagagaanat tcacgggnca gcctgagcaa ctgatgagac cctgtctaag aactgaaaac 300
tatagagaga gctgggggta cagctcagtg gtgaagtgnt cacccagtat gantaagggc 360
cagcactagg gga   373

<210> 99
<211> 371
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(371)
<223> n = A,T,C or G

<400> 99
tgaggactgc cccgttttc ttgnaaaagc cgcgcctgnc tgggtctgtg nggactncaa 60
taccccanca ngcattgcag acagacacnn ggaggaacta cggatgccga ggaggcgctg 120
ctgggccttt cggagtagcc ggtaccgggc acttcaggca gatccgggac atcatgcagg 180
cgttgcttgt caggcccttg gggaaggagc atacggtntt tttggttgct gcgggttatg 240
cagtgtctgt cgcgcattga anaaggagaa aatttagact gttcctttga tatggnggct 300
gagctcacac ccttggaatc agctatcaat gtgctggaga tgattaaaac agagttcaca 360
ctgacaaaaa a   371

<210> 100
<211> 358
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(358)
<223> n = A,T,C or G

<400> 100
gtcttgggaa acagattctg gagtctattg aaagcataca ttctgtggga nnccttcaca 60
gagacatcaa accgtcaaac ttcgccatgg gacgtttccc cagtacgtgt aggaaatgtt 120
tcatgcttga ttttggcttg gctcgacaat ttactaattc ctgtggtgac gtcagaccac 180
ctcgtgctgt gncaggcttt cgagggacag ttcgttatgc atcaatcaat gctcatcgga 240
ncagggnatg ggtnnganct ngggacnttg naactgcgtg ctcntgactn gcntnagagc 300
natatcttca tantncaggg anaggcataa tggngcgntt aggagctgag ggaccctt   358

<210> 101
<211> 348
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(348)
<223> n = A,T,C or G

38

<400> 101

```
gcggcagcaa attcgtncgg gnaccgccgc cgccgtnccg gttcctccgg gaagtgaggc 60
ggcggccggg gcagctgcgc cggcttctca gcatccggca accggcaccg gcgccgtcca 120
gaccgaggcc atgaagcaga ttctcggcgt aatcgacaag aaacttcgga acctggnaga 180
agaaaaagng tnnaatagng gnnntntnan taaaacttnc nanantttat ttganantgt 240
gaanatacat gaacaagata tnaaacttta nctattttga taagaaattt taatgtatta 300
aattattaaa tagngaaaag aggaaatatt aaaatagtga aagcactg 348
```

<210> 102
<211> 347
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(347)
<223> n = A,T,C or G

<400> 102

```
acctgagttt tggtaaaaca gtcacctata ctgnganaan nggaggctga gccncntcac 60
aanagacaca tttcnaggat gctgacagaa agaggaggga gagagtancc taggtggctt 120
cccaaaggag gcgtcctgna gcattggttc nggaanagct gaagagccta ncacatggca 180
gacgacacac cgaggcaacg agagtccatt tccctcacac ctgtggccca tggcctgnag 240
aacatggggg ccganttcct ggaaataatg nanganggcc agctcccaca caggcactca 300
agcctgccan agggtggagg cngnaggagc aaagcagtgt ggaaacc 347
```

<210> 103
<211> 342
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(342)
<223> n = A,T,C or G

<400> 103

```
ctgtcatcag ctcgcagcac tggagccgcc tcacgtangt agagtgacag gaagctgttg 60
taagcgtcgc agcactgnag ccgcctcctc aggtatcctg gctctggnaa cttgctatgg 120
gagattggat gactgtgaca gatccagttc tgtgtacaga aaacaaaaat ctctctcaat 180
atacctcaga aacaaagatg tctccgtcca gtttgtactc ccagcaagtt ctgtgctctt 240
cagtaccttt atccaaaaac gtgcatggtg ttttcggtgt cttctgcaca ggagagaaca 300
ttgaacaaag tatttcctat cttgatcagg agctggccac ct 342
```

<210> 104
<211> 338
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(338)
<223> n = A,T,C or G

<400> 104

```
acctgaggct cgcgacangg tgtctaagga cctggtggct ttgaagatgg tgaagatgga 60
```

```
gcctgatgat gacgncncca cccttcagaa ggagattctc atgctgaaaa cttgncggca 120
cgccaacatc gtggcttacc atggcagnta cctctggctg canaagctgt ggatctgcat 180
ggaattctgt ggagctggtt ctctccagga catctaccan gtgantggct nctctgtcca 240
cagctccaca tcanctatna tgtgccggga agtgcttcag ggactggcct acctgnnttc 300
ngagaagaag atacctcgag acatcatagg gagccaac                        338


<210> 105
<211> 334
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(334)
<223> n = A,T,C or G

<400> 105
catgaatatt gcattaccc ataaggacta nggggatataa tcncacngca caggaggggg 60
tgcacngaan antcnganng cagnaacnna cncaatnttg ggngantttn cngtggtaat 120
ntacgcccaa ncgactacnt gtctctaaat ntttncctng cgnttccgag accctgacct 180
ccggnagatg tttgggcagt ttggcaaaat cctagatgng gaaataatct ttaatgagcg 240
cggctccaag gggnttgggg gttcgttaac tttnnagaat agtgctgatg canacagggc 300
cagggagaaa ttgcccgggc accgtggtag aggg                            334


<210> 106
<211> 332
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(332)
<223> n = A,T,C or G

<400> 106
ctattatatg gtgcttgcan cacatctcct ggctattcga nggaagcant atntggnnag 60
acacttaact caagacaggt cccgcgngtc tncctncanc tccggaggac ccggcgaccg 120
aaagaagagg acacnatgtg caggcnctgg agacccacct cggaagaanc cacccggnt 180
ggncattgnt gttgaaggag ggtttgacct caccgaggac angtttgaat ttgacgagga 240
tgtgangatt gtcattnaaa cncantatct gccnancnct agngctccca aggnctgagc 300
tttctaanat tagtacacat gggtccagct gt                              332


<210> 107
<211> 324
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(324)
<223> n = A,T,C or G

<400> 107
ataccgtttc cccaaagcca gnanccttac ctgtanctac cgctggnaga agnaggcggt 60
gcttacagnc ggggagcatg aaggtcgact acgnataccc atcccganag gngcctcccc 120
cacggtgnat cacggtccan aagccatgna ncgnataccc taccancggg ggtaccggga 180
```

```
aacaccgtga cagtgatacn tatcggtgtg aagagcggag cccangnnnt ggagaggact 240
gctatgggtc ttnacgttnt cgacatcgga aacgggcacn gagagagggc gccttaccgn 300
acccgcaagc atgcccacca ctgt                                        324


<210> 108
<211> 322
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(322)
<223> n = A,T,C or G

<400> 108
tttctgagat tgacgcgctt ttngaaaagn ctgtcccggt gtcggnaagg nacctggtng 60
ccgtgacctt cccagcttta cagggcagna gccttcanta cctgaggaca ggaggtctct 120
ggagaangag aacacaccct catgaaccaa gcctncagta tgagaaagag ctaaagctgc 180
ttncacatga gaacccgaaa aacaccctcc ttttggggggg gcatttttt ttntntttcg 240
ccctgntttt tggcttactg gactttggga naaaacccc tttccanccn cttaaaanna 300
nggggggaagg gctttctttt tg                                         322


<210> 109
<211> 321
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(321)
<223> n = A,T,C or G

<400> 109
ttacctttag ggatttgaat ggggaaggnc ttgaaaganc nacatgagca agaaagcgtg 60
tganagggag atgcagcgaa tcaccttgcc cctgtctgcc ttcacaaacc ccacctgtga 120
gaccgtggat gaaaacacca tcattgtgca cagcaaccag actcctgctg acgtgcagga 180
gggcagcacc ctcctcacgg gccaggctgg caccctgggg gcctgagccc cttcagtggg 240
caggtgccca tgtaaacact ggtacaggac aggccaccct cctgcagttg ggaggagcta 300
cattttgtgt tgtggttaaa a                                           321


<210> 110
<211> 312
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(312)
<223> n = A,T,C or G

<400> 110
ctgaggactt acctcttcna attcctggtg attggcagtg ctggaactgg caaattatgt 60
cttctcccca gtttattgag aataagttca acaggactc caaccacact atcggcgtgg 120
agtttggatc cagggtggtc aacgttgggg ggaagactgt gaaactacag atttggnaca 180
ctgctggcca ggagcggttt cngtcggnga cgcggantta ttaccgaggg gcanntggag 240
ccctgctggt gtatgacatc accagccggg aaganataca accttacttc gctgnttggg 300
```

41

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ctaacttgat tg                                                          312


<210> 111
<211> 295
<212> DNA
<213> Mus musculus


<400> 111
acaccccctcc tccgctcgtg cccccggcgg cccgcgagtg gaacctgccc cccaatgcgc  60
ccgcatgcat ggaacgtcaa ttggaggctg cacggtaccg gtctgatggt tcccttctgc 120
tcggggtctc cagcctgagt ggtcgctgct gggtaggttc tctgtggttt ttcaaggatc 180
ctagtgcggc ccccaacgaa ggtttctgct ctgctggcgt ccagaccgag gctggagtag 240
ctgacctcac ttgggtgggg gacaaaggta tcctagtggc ttctgattca ggtga       295


<210> 112
<211> 287
<212> DNA
<213> Mus musculus


<400> 112
cggttccact tggcagtcag tcgaatccat tcaaggtcgc ttagtccaac ttaatgaagc  60
ctgtgtcctt cgtgtactgc cggaagcact ggcggcacac gttcagccgg tatttgcgga 120
tcaaaccgtg acggttggag cagacacggc aagagcggga accctggccg aacttccgtg 180
ggtgactcca gtagagctgc tggtcaccca tcttgccttc agacacccaa cgaggagaaa 240
ggtctaatta atttttaaat aaataccatt ttatatgaaa aaaaaaa              287


<210> 113
<211> 272
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(272)
<223> n = A,T,C or G


<400> 113
gctggctacc atgaaacaac natcccgnnt gtgccgaagg ctcctgtagt tcanatccca  60
gcanccacat ggtgactnnc aacgtacccg naatgagatg ggacgccttc ttctggngtg 120
tctggagcga gcangnactg agtgancaca gtngaccgga ataantnnag gtcctaaaat 180
tcaattccca acaaccacat gaaggctcac aaccatctgt acagctacag ngtactcaca 240
tacaataaat aaataaatct taaaaaaaaa aa                              272


<210> 114
<211> 268
<212> DNA
<213> Mus musculus


<400> 114
ccctgcgcgg gggaccagga ccgctgacac cacacccctg caatgagttg ggggcctctg  60
catcgcccag aacgcctggg cctgcccgcc ggggtagcgg caggcgacag ccaagacctg 120
actcccttat cttttaccgc caggcgagga ctgtggaaac gggtaaagtg gccacgtggc 180
ctctctagat tctaaatgtg agcagcgatg gacttggggt gagagatgaa cgaactactg 240
aataaagcta aaatgttatt taattaaa                                   268


<210> 115
```

```
<211> 260
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(260)
<223> n = A,T,C or G

<400> 115
aggaccttc  cggcacctgg  nggctctttc  agcctgaacc  taccaccgnc  tcaagtatct  60
tctactagta  cagcgaaagn  agtaggcaca  atccccagtc  nccccttcag  gaatccagcg  120
ccaccttgaa  gcgtggtgga  aagaagtgtg  ctgtacccca  ctccagcccc  aatctagcgg  180
aggtaaagaa  gaaaggcaaa  atgaagaagc  tgagccaacc  agctgaagag  gacctagttg  240
tggggcttga  aaaaaaaaaa                                                  260

<210> 116
<211> 252
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(252)
<223> n = A,T,C or G

<400> 116
tctcaccttc  acggagctac  agtgttcctt  acgatgccac  gccttcctgc  gcaggaacag  60
cggctgctga  cccaagctgt  gtgcttggcc  atggcgaggg  tgggagcagc  agctcggggc  120
ctccggtcca  cttcccatgt  cacagcctcc  tctgcctcca  gcccatccaa  ctagagctgg  180
ntagcatgaa  gggagacagc  ggttcccaac  tggagtacag  aggtaagggc  caataaagag  240
gacaggaggg  gg                                                          252

<210> 117
<211> 250
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(250)
<223> n = A,T,C or G

<400> 117
agcatcaatg  gttcaagcca  ggaagtagca  tctgagaaag  acttgtgtcc  tcccctcctt  60
caaaggctta  tgggtgaacg  gacataagac  tgctgcatcg  ggactcacca  aaaagtaggc  120
nnccacntac  ctctgaaact  gtgcgatctc  ctggctaatg  tcatccagct  ctttaacacc  180
agtgaactct  cctgatgcca  gagtacttga  actgtcctag  aattaaaact  tgaaatgtca  240
aaaaaaaaaa                                                              250

<210> 118
<211> 234
<212> DNA
<213> Mus musculus

<220>
```

<221> misc_feature
<222> (1)...(234)
<223> n = A,T,C or G

<400> 118
agagcaccga cagcctaatg tnagtgctgg cagtgaggct caggaggtga nccctcntcc 60
tgctgggaac agaagcnnag aggtgccngt taaagantaa nccnngnttt gaactttctg 120
gggcacttct tgaggacacc antaccttcc ggggtgnggt tattaaatac agngagcccc 180
cagaagccna ggatccccan taaancngng gcgcctntac ccctttaaaa atga 234

<210> 119
<211> 225
<212> DNA
<213> Mus musculus

<400> 119
acctgaggtt ttaaaatgga acatttcgat ggcgtaactc agtacctatt atgtgtgtgt 60
cttctcccta ggtacccgtc tgcaggtgtc tttacatatc tcaatacaaa aattataaca 120
tttgatagtg tgctgtcaaa gtgtgcttag ctcatctgga tatacccaca ctgttaaata 180
atgtctaaac attaatcatt aaaacctttt tgattaaaaa aaaaa 225

<210> 120
<211> 222
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(222)
<223> n = A,T,C or G

<400> 120
tgagcctgtg aactcctggc cttgataagt ccctgacgcc gatnccctgg tcctggctga 60
ggacgggacc atagtggatg acgatgacta cttcctctgc cttccttcca atacaaagtt 120
tgtggcgttg gcctgcaatg agaagtggac ttataatgat tccgatggan gnacngcttn 180
ggtttcccaa gagnccttnn aggcagatga gccagacagc cc 222

<210> 121
<211> 222
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(222)
<223> n = A,T,C or G

<400> 121
acctggaggg atggagtttt cttggaacgt tcgtaaaagg aaaaggttct aggaggatgg 60
cagcaagtat gcttcggcga aggcaaagna gtctgaagtt ttttatgagc ttgctcatca 120
gttgccactt ccccacaatn cacagcaaac tgaagatcaa caacttgaag atgttccatt 180
atataatgat gtaatgnttc cctcttctaa tgaaaaatta aa 222

<210> 122
<211> 212
<212> DNA

44

<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(212)
<223> n = A,T,C or G

<400> 122
aacaggcgtc acatcattga taacagggta cattgttgct tctacttcat ttcacctttt 60
ggacatggac tgaagccctt agatgttgca tttatgaaag cgatacacaa taaggtgaat 120
attgtgcctg tcattgcgaa agctgacact ctcactctga aggagcgtga gcgncttaag 180
aaaaggattt tggatgaaat tgaagagcat ag   212

<210> 123
<211> 210
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(210)
<223> n = A,T,C or G

<400> 123
aaaatccgga gtcttcaatg tatcanagct tgtgagagta tccatgaaca cccataaccc 60
agggtaactg gagtcaactt cccaancgga agaaattccc agccaaccnt actatgatga 120
catgaactnt ggtgtgaacc tgcagaggtc gttgtcttct ccaccgtgca gcaaaagacc 180
caaanctatn tctatggatg aaaatggggg   210

<210> 124
<211> 208
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(208)
<223> n = A,T,C or G

<400> 124
acttctccag cctcctggag ctcacactgc tggtcggaaa ctatatgaat gcgggctcca 60
ggaatgctgg tgctttcggc ttcaatatca gcttcctttg tangcttcga gacaccaagt 120
ctgcagatca gaagangact ctgttgcatt tcttggctga gttatgtgag aatgaccacc 180
ccgaagnnct caggtttcct gatgagct   208

<210> 125
<211> 208
<212> DNA
<213> Mus musculus

<400> 125
taaatttaaa aatggcctcc ataaaactac attgcaaaaa atgggaaaga aacaaaatgg 60
aaagagtaaa aaagttgaag aggcagagcc tgaagaattt gtggtagaaa aagtactgga 120
ccgtcgtgta gtgaatggga aggtggagta tttcctgaag tggaaggggt tcacagagta 180
agaaacctca gtgcttcaaa aaaaaaaa   208

```
<210> 126
<211> 204
<212> DNA
<213> Mus musculus

<400> 126
tgaggatgca tttctgagcc ccggttgtgg ttcccgatgg ccctcgcagc agcgagtccg   60
tggaaggaag cccttttccgt ccttcccact cctcctcggc ggtgttcgat gaagacaagc  120
cgatagccag cagcgggact tacaacttag acttcgacag catcgagctg gtggataact  180
tccagagctt ggagaaaaaa aaaa                                         204

<210> 127
<211> 189
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(189)
<223> n = A,T,C or G

<400> 127
aagtatgttg tccgtaaaan gagcaangca gcagtannaa ancatgcaaa aatgnaaggc   60
tgaagatgga gagaactacg ccattaagaa gcaggcagca gatccctgca ngtagtcccg  120
gatgatgatc ccagattgcc agcggtcggc ntagcaggct gncatatact gatcttcagc  180
agatattag                                                         189

<210> 128
<211> 183
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(183)
<223> n = A,T,C or G

<400> 128
actgcctgca ctgcagtgtc cccagangna cacatggtaa cagtgatgcc gctggcagta   60
tggagtaagt accatcagca agctcatgtt tgacttccag agggagttca acctcagatg  120
acgactctgg ctgtgctttg gaagagtacg cctgggtccc cccagggctg aagcctgagc  180
aga                                                               183

<210> 129
<211> 180
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(180)
<223> n = A,T,C or G

<400> 129
gtgcacattg taatactggg cagtaatttt gaaaggatta cagtatcatc ccaggcgcta   60
agcatggtaa atattcaagt gggatgtgta gactgttcaa tgcaacaagg caagnattgc  120
```

agcatcctat gggaacgtta tctctgtttt tgaaccagtc agtttgccga aaaaaaaaaa 180

<210> 130
<211> 178
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(178)
<223> n = A,T,C or G

<400> 130
actgaggaga agcggttngc agtgttngag atcctctttg ccctcatgan catccctnat 60
cctttacagc tccaacagtg ncaacgaggt cttccactac ggctccctgc ggggccgnac 120
gcgtcggcca gtcaactctn angaagngga gtttctccag cgcctacttc cctatcct 178

<210> 131
<211> 170
<212> DNA
<213> Mus musculus

<400> 131
aaagaagcag caacagtgga agagctgaac cccaaaggca tccctgagtt ctggttcacc 60
atcttcagaa atgtggacat gcttagtgag ctggtgcagg aatatgatga accgatcttg 120
aaacatctgc aggatattaa agtgaagttt tcagacccta aaaaaaaaaa 170

<210> 132
<211> 161
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(161)
<223> n = A,T,C or G

<400> 132
tgtgtcttac tccctncata cctactggac gctgctgtgg tgtacagagg ccctgccctt 60
ggctgncacc gccctcttcc ccatcatcct cttccctttg atgggtatca tggaagcctc 120
caaggnctgn taaaaggact acaaggacac caacatatgg t 161

<210> 133
<211> 160
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(160)
<223> n = A,T,C or G

<400> 133
tgaggttgca aggtgagaag anntcggccc agnggcgaac agtggagggt gcnttgaagg 60
agcgacagaa aggcagttga tgangctgcc gatgccctgc tcaaagcaaa agaagagtta 120

47

gagaagatga aaactataat tgaagatgca aaaaaaaaaa   160

<210> 134
<211> 153
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(153)
<223> n = A,T,C or G

<400> 134
catagcccat gtgctgaatc aaatagaacc cttcctggtt caacgacgaa tggctccagg 60
gcatcttaca ggactcaagc cccagctgga ggttgaaggt naggaaactg gagaagatct 120
tacaggagct tggtggaata ctcgaagaat gtt   153

<210> 135
<211> 146
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(146)
<223> n = A,T,C or G

<400> 135
caagcctgca cttggaacgt tagcangcac cngttggccc anatcccaga agaanagacg 60
aggaaagang aggaaaggaa aaaataggan nctgatcana agaaggaagc tgctgtttct 120
gtacaagang agtctgatct tgaaaa   146

<210> 136
<211> 143
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(143)
<223> n = A,T,C or G

<400> 136
acgcatgaag tcagtaccac ccgtcnncac caactccaga atggacttgc cattttnctt 60
acaaagnatg tacgtcaact gctgaaaaat ggagacgccg tacctggaaa acaaaacgaa 120
gaaaaancct acataaatag gac   143

<210> 137
<211> 138
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(138)
<223> n = A,T,C or G

48

<400> 137

ggcctgtgca gtgacatgtt ggacttctct agctgcctac atntgaagcg aactgttctg 60
ccntgttagg gaaactgatg accttagcaa agaatttgcc cgaccctgga aaagcacaag 120
attttgtaaa aaaaaaaa   138

<210> 138
<211> 135
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(135)
<223> n = A,T,C or G

<400> 138

tgaggtagaa aatgtttacc ctcnacctgg ctgggttgaa atcgatcctg attctctctg 60
ggctcagttt gttgccgtaa taaaagatgc tgtcaaagct gcaggggtgc agatgaatca 120
aattgtcgaa aaaaa   135

<210> 139
<211> 135
<212> DNA
<213> Mus musculus

<400> 139

aataactata ccgctcttca tctattaatt acagccagga atctggagca gcagctgatg 60
atataaagcc atgtccacga tgtgctgctt atataataaa gatgaatgat gggagttgca 120
atcataaaaa aaaaa   135

<210> 140
<211> 132
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(132)
<223> n = A,T,C or G

<400> 140

aagcgattgc cagctggaat ggnaggtatt accttcagct ccctgacgac tacgagnact 60
cgcgcttctg agcctgggaa gaagagggtg agatgggcag acctagaaga aaagaaggat 120
gcagatagga aa   132

<210> 141
<211> 126
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(126)
<223> n = A,T,C or G

<400> 141

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gacttgggca ccacctactc gtgcgtgact cgtgttcnag cacggnaagg tggagatcat  60
cgccaacgac cngggcaanc gcacgacccc tagctacgtg gncttnaccg acaccgagcg 120
cctcat                                                           126


<210> 142
<211> 110
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(110)
<223> n = A,T,C or G


<400> 142
cagctgcagc caccgccgcg cagtnccacg ctggctccgc gcgccatggt cacccacagc  60
aagnttcccg ccgccgggat gagccgcccc ctggacacca gcctgcgcct             110


<210> 143
<211> 107
<212> DNA
<213> Mus musculus


<400> 143
tctcccttgg ggacaccatc ggtgtaggca ccccaggact catgaaagac atgctgactg  60
ctgtcatgca tgaagtgcct gtgacagcat tggctgtcca ctgccat                107


<210> 144
<211> 636
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(636)
<223> n = A,T,C or G


<400> 144
gctgtgcgca cgctcaaacc ctgcaaacca atgnccagct acctgggaca ggtaaagcgc  60
caacggnagt gacccccagg cgcagctggn aggctatgga gatgtacctg gcacggagtg 120
gactgcaggt ggaggacttg aaccggctaa acattattca tgtcactggg accaaaggga 180
agggctccac ctgtgccttc accgaacgga tcctgcggaa ttacggcctg aagaccggct 240
tctttagctc tcctcacatg gtgcaggtgc gggagcggat tcgaatcaac gggaaaccaa 300
tcagccccga gctcttcacc aagcacttct ggtgcctcta taaccagctg gaggagttca 360
aggacgacag ccatgtctcc atgccctctt acttccgctt cctcacactc atggccttcc 420
atgtcttcct ccaagagaag gtggacctgg cagtggtgga ggtgggcatt ggcggggctt 480
ttgactgcac caacatcatc agaaagccag tggtgngtgg agnctcctct cttggcattg 540
accacaccag tctactagga gatacagtgg agaaaatagc atggcagana gggggcatct 600
ttaagcctgg tgtccctgcc ttcactgggg tgcagc                           636


<210> 145
<211> 615
<212> DNA
<213> Mus musculus


<220>
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50

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<221> misc_feature
<222> (1)...(615)
<223> n = A,T,C or G

<400> 145
gcgtctgcgg ccccgaangg caggcactgc caccgggcga atcgnggcag ccatcggcgc 60
tgnggtggac gtccagttcg atgcagggat taccacccat cctaaatgcc ctggaagtgc 120
aaggcagggt acagcagact ggttttggag gtggcccagc atttggggga gagcacggtc 180
agaactattg ctatggatgg cactgaaggc ttggttagag gccanaaagt actggattca 240
ggggcaccaa tcaaaattcc tgttggtcct gagaccttgg gcagaatcat gaatgtcatt 300
ggagaaccta ttgatgagag aggtcctatc aaaaccaaac aatttgctcc tattcatgct 360
gaggctcctg agttcataga gatgagtgtt gagcaggaga ttctggtgac tgggataaag 420
gttgtggatc tgctggcccc atacgccaag ggtgggaaaa tcggactctt ggaggtgct 480
ggcgttggaa agacagtact gatcatggag ctaatcaaca ntgtcgccaa agcccatggt 540
ggttactctg tatttgctgg tgttggtgag aggacccgtg aggncaatga tttntaccat 600
gaaatgattg atcaa                                               615

<210> 146
<211> 606
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(606)
<223> n = A,T,C or G

<400> 146
gactgagact ggagatttga tgcatcacct tggggtgggt ggagaggacc acagtgacca 60
tgatgaccac ggtgatcatg ctgaccacag tcatccggac aggaaagcca gccaccaaga 120
ctctgagctc catactcccc acaacagcan catctagtgt atgggacacg ctgtgcctga 180
gtgccaaaga tataatggct gtgtatgggc tatctgaaga ggctggggtg agccctcagg 240
cctgggccca actgaccct gccttggtcc agcaacagct aagtggagcc tgcagcccct 300
accccactat ncgtattcag gaccagctca gnnaaacaga gaggtatctc tatggctcgc 360
tggccaccct gctcatctgc ctctgtgctg tgttcggtct tctgctgctg acctgtgcca 420
aatgcancac anccacccac tacatcatgc agaccttcct aagcttggct gtgggcgcac 480
ttaccggcga tgctcttctg cacctgatac ccaaggngct gggactgcac acacatggng 540
gagagggtca cacccatgaa gaggatgtgg nccgttggtg ggcangccac cctggcgcct 600
gctggt                                                         606

<210> 147
<211> 597
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(597)
<223> n = A,T,C or G

<400> 147
tgtcataaaa actttaagga gaagagaaac ccacgcaagg tcaggtggac taaagccttc 60
cgggaaagca gctggcaagg gagctcacgg tggacaactc atttgaattt gaaaaacgta 120
gaaatgaacc tgtgaaatac cagcgtgagc tgnggaataa aactattgat gccatgaaga 180
gagttgaaga gatcaaacag aagcgccngg ccaaatttat aatgaacagg ttgaagaana 240
acaaagagct ccagaaggng caggacatca aggaggtcaa gcagaacatc catctcatcc 300
```

```
gggctcctct cgctggcaaa ggaaagcagc tggaggaaaa aatggtccac cagttacagg 360
aggatgtgga catggaggaa gcttcctaac gggngctgccc gcaaccagcc ctgagcacgc 420
tggagtggag tggagacttt cngcccctaa gttattcatt ggttccataa ggnccttcag 480
acaanggga ttcaatgtgc tttcccccttc aacgttgcag cctgtaaaag catnccccttg 540
tgggnggttg ggtctnagct cancactctg cttcctgntg ttatgcgcac ccacaca    597


<210> 148
<211> 588
<212> DNA
<213> Mus musculus


<400> 148
actgaggttg acaagagttc cccgagatag aagccctgaa ggagcgggca tcctcccagc 60
tacccaggga atgtggtcgt gaggcagagc ccgcagcttt cagaagaaga gtagtcttgg 120
gccatggccc aggtcagcat caacagtgac tacagcgagt gggcttccag cactgatgct 180
ggggagcggg gcccgtttgc tccaaagtcc ctgtgtggat gtggtaccta agagtgaggg 240
ggaggcgtct cctggagatc cagacagcgg caccacttcg acgcttggag ccgtcttcat 300
cgtcgtcaat gcctgcctcg gtgcgggtct gctcaacttc ccagcagcct tcagcaccgc 360
tggggggcgtg gcagctggca tcgccctgca gatggtgagt gagtgcgcgc gtgcgctggc 420
atcggaggta ggcaggcaac tccgggcctc tgatttgcag gggaggcttt gaatcagaga 480
tgagccataa gggacatatg tcgtcatcct tccctcccct ataaatgact ttatcagtct 540
atcccagaac ttcctgtgta gccatggatg acttttaacg ttagatct              588


<210> 149
<211> 584
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(584)
<223> n = A,T,C or G


<400> 149
actgagattt ggactgagca acaaatttga atcagaattc ccttcttcat taactggaaa 60
agtagctcct gaagaattta aagccagcat caacagagtt aacagctgtc tcaggaagaa 120
tcttcctgtt aatgtgcggg tggttgcgtt tgtggctgcc tgtgcttgcn tgcgtgcacg 180
ttaggggtgca gtatgtggcc agttatttgc ctcagtaaaa gaacacgaag atcgattgag 240
aagttattag aatgggaaaa caataggtta taccacaagc tgtgcttgca ctggagactg 300
agcaaaagga aatgtgaaac gaacaacatg atggaatatg tcatcctcat agaattttta 360
ccaaagacac cgatttttcg accagattag catttgcttt atttatagag actttccaag 420
ngngntgtct ttccaatggt gccttgcttg gtgctctcct gctggtgaca tgatgctggt 480
tctacagaat tgggnggngn tcttgtttgn tttgtttttt aaataaccgg atgttctatg 540
tgtgcatatt tgtcaaactt tgcaaggtat ttcatacaga tgtt                 584


<210> 150
<211> 579
<212> DNA
<213> Mus musculus


<400> 150
actgaggatg gctgttcttc tgatgaggtt gatgctacaa actacaaagc ttgaccataa 60
cttaattgga agatgtttgc aaagacacgc tgtgaagcca gatccagcac agctgtccct 120
gtctgcgtcc accccaaagc tgttgtacct gacttctgca aaaggtttta gtactgctgg 180
agacccacag ggtgagagga aacagaaaag aagggatgct ttctctaaca ccggccggaa 240
gattagtgag cggattatcc gcgtcctgga tgagaagggc atggacctgg ggatgatgca 300
```

```
tcgagcagat gtgatcagac tcatgaacaa gcaggacctg aggctggtgc agaggaacac 360
cagctcagag ccaccggagt accagcttat gaccggagag cagatccacc aggagcggct 420
aaagctccgg gaacaggaaa aggccaaacc caaaactgga ccaactatga cgaaagagct 480
cgttttctct tcaaatattg gacagcacga tttagacacc aagagtaaac agatccagca 540
gtggatagag aagaaatacc acgttcaagt cacgataaa              579
```

```
<210> 151
<211> 578
<212> DNA
<213> Mus musculus
```

```
<400> 151
tgaggcgctg gagatctggt aaaagtacca tcgtgaaaca gatgaaaatc attcatgagg 60
acggctattc agaggacgaa tgtaaacagt ataaagtagt tgtctacagc aatactattc 120
agtccatcat tgcaatcata cgagccatgg gacggttgaa gattgatttt ggggaatctg 180
ccagagcaga tgatgcccga cagttatttg ttttagctgg gagtgctgaa gaaggagtca 240
tgacttcaga actagcaggc gtgattaaac gtttatggcg agatggcggg gtacaggcat 300
gctttagcag gtccagggaa tatcagctca atgattctgc ttcatactac ctaaatgatt 360
tggatagaat atcccagacc aactacattc caactcagca agatgttctt cggacaagag 420
tgaagactac aggcattgtg gagacccact tcaccttcaa ggaactctac ttcaaaatgt 480
ttgatgtagg tggccaaaga tccgaacgaa aaaagtggat tcactgtttt gagggagtga 540
cagcaattat cttttgtgtg gctctcagtg attacgag               578
```

```
<210> 152
<211> 576
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> (1)...(576)
<223> n = A,T,C or G
```

```
<400> 152
actgaggtaa ccaggtctct ctgcagccat gtcagccaag gcaatttcag agcagaccgg 60
caaagaactc ctgtacaagt acatctgcac cacctcggcc atccagaacc ggttcaagta 120
cgcccgggtg actcccgaca cagactgggc ccatctgctg caggaccacc cgtggctgct 180
cagccagagc ttggttgtca agccagacca gttaatcaaa cgtcgaggaa agcttggcct 240
ngtcggggtc aatctctctc tggatggagt caaatcctgg ctaaaacctc gcctgggaca 300
tgaagccact gtcggcaagg ccaaaggctt cctcaagaac tttctcattg aacccttcgt 360
cccccacagt caggcggagg agttctacgt gtgcatctat gctacccggg aaggagacta 420
cgtcctgttc caccatgaag ggggtgtgga tgtgggcgat gtggatgcca agcccagaa 480
gctgcttgtg ggtgtggacg aaaagctgaa taccgaggac attaagagac acctgttggt 540
ccatgcacct gaggacaaga aagaagtcct ggccag                576
```

```
<210> 153
<211> 575
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> (1)...(575)
<223> n = A,T,C or G
```

```
<400> 153
```

```
aacgggcagg cgccacgngc ccaggcggca aacnccgnaa ccgctttgnc aantaaggaa 60
cggccagtga aacgtactac ttcgccaacc tgagcaacaa ntcccancgc tacatggnag 120
tacatcttca ccacctgcgt ggacacgcgc tggcgctata tgctcatgat cttctccgcg 180
gccttcctcg tttcctggct cttnttnggc ctcctcttct ggtgcattgc cttcttccat 240
ggtgacctgg aggccagtcc ctctgtgccc gcggcaggag gcccgggggg caatggcggg 300
gcaagcccga atgcccccaa accctgtatc atgcacgtaa acggcttttt ggggggccttc 360
ctcttctcag tggagaccca gacgaccatt ggctacgggt tccggtgtgt gacagaggag 420
tgcccgttgg cggncattgc ggngggttgt ccagtccatt gtgggctgng tcattgactc 480
cttcatgatt ggcacgatna tggccaagat ggnacggccc aaggaagcgg gcacagaccc 540
tngntgttan ancaccatgc tgtcaatctc cgttc                            575
```

```
<210> 154
<211> 571
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(571)
<223> n = A,T,C or G
```

```
<400> 154
ctgaggtatc actcaaccaa tctaaagcaa aagcacagca gggcaggcct tcctgtgtgt 60
taacacagga aggctggcac cctggtcatt ctggagaccc cagcactgac cggcttccgg 120
aagggcagca agatctgtcg tcgcagcaca tggaagaagt tgccaggggt ggaacagttg 180
acaacaatcc agttgcagtc atagagctga ttgatgtcaa agttttcttc ctgcaggtcc 240
tatngcatgg gaggaaatgg gcagaggcca atggcacctt gtgagcattg tgcctgggac 300
aggaggcaac acgaggcaga gaggtctcag gatgtctctc aggacactca aggactcact 360
gaggacagng agaacaggat ccacagcttc cctgagtctg agccccattt aatccgnggt 420
ggctcctgag ggctaccgtt tagcagngga tacatgggat ctaggagacg tacagtcaag 480
tctacatttc cttagaaact gactcctggg ttctttttaaa gctgccttaa cgcggctggg 540
aaagatggna ctgactgttc ttccaaaggt c                                571
```

```
<210> 155
<211> 570
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(570)
<223> n = A,T,C or G
```

```
<400> 155
gactgagctt ggcaattatt tatggcgtgt tctctgcttc aaatttgatc actccgtccg 60
tggtcgccat tgttggacct cagatctcta tgtttgtcag tggtttgttt tacagcatgt 120
acattgccgt ttttatccag cctttcccat ggtccttcta cacagcatct gtcttcatcg 180
gaattgccgc tgctgtcctt tggacagcac aaggaaattg cctgacgata aattctgatg 240
agcacacaat cgggagaaac agcggaattt tctgggcact cttacagtct agcttgttct 300
ttgggaatct ctacatatat tttgcatggn aagggaagac ccagatctca ngntggnctn 360
gttcncgttg ctttattaan atggctatga aagtgagcag caggactaca gaatggcccg 420
tctgctctaa ncancactca ctcccaggaa ctttggcacc ctgatgttgc ttctgangcc 480
tgccttttcc caagtggctg ggctttgcta gccaggctcc caagggtctg tgtgcgctcc 540
cttgttggat ccgngccctc cccaggttaa                                 570
```

```
<210> 156
```

54

<211> 569
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(569)
<223> n = A,T,C or G

<400> 156
gaagctgcaa ggtcacncat ttctgaatca tnggagcagg aacantaaac nagagaaaat 60
ggtgttacag atgacctggg atgctcccaa gcccaaaaaa gctaaaatga gagaaaagct 120
aaatggagac accaangaag gacttagatt ttcagatgaa ttctccccat ctcataagtc 180
aagaanaaaa gacctgccna atggagatgt ggatgagtat gagaaaaggt caaagcgagt 240
gtcatcctca gaaaactctc acaagtcang cgatnaagca gaggagactc taacacgtga 300
acaaaaggaa ggagccttct ctaatttctc catttctgag gagaccataa agcttctgaa 360
aggtcgaggg gtaacatatc tctttcctat tcaagttaaa acctttggtc ctgtntatga 420
aggaaaagat ttaattgctc aancccggac aggaacagga aagacnttct cttttgccat 480
acccttgatt gaaaggctcc aaagaaaaca agaaacantt ctgtttgccg tcnccctnng 540
gtacttcggt ttggctccaa caagggaac 569

<210> 157
<211> 568
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(568)
<223> n = A,T,C or G

<400> 157
caagatgctc aactacanca ctcccagcgc tgggggctgc ctgctggaca ggaaggcagn 60
gggcacccct gctggcgggg gcttccctcg caggcactcg gncactctgc ccagctccaa 120
gttccatcag aaccagcttc tcagcagcct taagggtgag ccggccccag tccctgagct 180
cacgcngaca gccgctttcg agaccgctct ttctccgaag ggggcgagcg gctgctgccc 240
acccagaagc agcctgggag cggccaggtc aactccagcc gctacaagac ggagctgtgc 300
cgtcccttcg aagaaaacgg tgcctgtaag tacggggaca agtgccagtt cgcgcatggc 360
atccacgagc tccgcagcct gacccgccac cccaagtaca agacggagct gtgccgcacc 420
ttccacacca tcggcttttg cccgtacggg ccccgctgcc acttcattca taacgccgag 480
gagcgacgcg ccctggcggg gggccgagac ctctccgctg accgtccccg cctccagcat 540
agctttagct ttgctgggtt tcccagtg 568

<210> 158
<211> 568
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(568)
<223> n = A,T,C or G

<400> 158
gactgaggtg gggtctttac tgggcnggng agtttncagt nggagactgc ggccatcacc 60
gtcgcccctc gctgtcccgc tggcgggccc actcgatatt gcctgtggac gatgatatca 120

```
acgggctaaa cgaggagcat aagcngcntt nnangtacta tctctaagnt tnttcaagag 180
aacctggccc ccaaggccca agagatngat cnaaccaatg acttcaagaa cctgagagag 240
tntgtggaaa cancctgggg agcctggntg tactgggcat cacagccncc gttcagtatg 300
ggggntntgg cctgggctac ctagaacatg tgttggtaat ggaagagata tcccagggct 360
tngggagcag gggggctcag ctacggtgct cactccaacc tctgcgtaaa ccagantgtn 420
cgaannggga atgaggcnca gaaagagaaa taccttccca agctcatcag tggtgagttc 480
atcggagcct tggccatgag tgaacccaat gctggctctg acgttgtctc catgaagcta 540
aaagcagaaa agaaaggaga tcactatg                                   568
```

<210> 159
<211> 567
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(567)
<223> n = A,T,C or G

<400> 159
```
actgagtaaa tgtttattgg aggcttgagc tgggatacaa gcaagaaaga tctgactgaa 60
tatttgtctc gatttgggga agtggtngac tgcacaatta aaacagaccc agtcaccggn 120
aagatcaaga ggatttgnat ttgngctttt caaagatgct gcgtagtgtg dataaggttt 180
tggaactgaa agaacacana ctggatggca aattgataga ccccaaaagg gccaaagctt 240
tnnnggggaa agaaccccct aaaaaggtct ttgtgggtgg attgagccca gatacttcag 300
aagaacaaat taaagaatat tttggagcct ttggagagnt ggnctgtatt gancttccca 360
tggatacaaa aaacaaatga aagaagagga ttctgtttta tcacatacac agacgaagag 420
ccagtaaaga aactgttaga aagcagatac catcaaatag gttctgggaa gtgcgaaatc 480
aaagttgcgc aacccaaaga ggtgtacagg cagcagcagc aacaacagaa aggaggcaga 540
ggggctgcag ccggcggaag aggaggt                                    567
```

<210> 160
<211> 567
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(567)
<223> n = A,T,C or G

<400> 160
```
gactgagaga agatcttctc agaagcaact cccaggtgtg agcagtgtca gagcgtggta 60
aagcctgata tcgtgttttt cggtgagaac cttccatcgc gcttcttctc ctgcatgcag 120
tcagacttct ccaaggtgga cctcctcatc atcatgggca cctccctgca ggtgcagccc 180
ttcgcctccc tcatcagcaa ggcaccacta gccacccccac ggntgctcat taacaaggaa 240
aagacaggcc anacggaccc cttcctgggc atgatgatgg gcctgggagg tggcatggat 300
tttgactcca agaaggctta cagggacgtg gcctggctgg gtgactgnga tcaaggctgc 360
ctggctctcg ctgacctcct cggatggaag aaggaactgg aagaccttgt ccggagggag 420
catgccaaca tagatgccca gtcagggtca caggccccca accccagcac taccatctcc 480
cctggaaagt ccccaccgcc tgccaaggag gcggccagga ccaaagagaa agaggaacag 540
cagtaacagt aaccatgacc tcccgca                                    567
```

<210> 161
<211> 565
<212> DNA
```

<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(565)
<223> n = A,T,C or G

<400> 161
actgagcttc ggaaggagta tggggccaac gtggttcctg cattcccccc aaagaagctg 60
ttctctttga cccctgcaga ggtggagcag aggagagagc agttggagaa gtacatgcaa 120
gctgttcggc aagacccatt gcttgggagc agtgagactt ttaatagctt tctacgtcgg 180
gcccaacagg agacccaaca ggtgcccaca gaggaggttt ccttggaagt gctgctcagc 240
aatggacaga aagttctggt aactgtgcta acttctgacc agacagaaga tgtcctggag 300
gctgtggctg caaagctgga tcttccagat gacttgatcg gatattttag tctcttcctt 360
gttcgagaaa aagaagatgg agccttttct tttgtacgga agctgcagga gtttgaactg 420
ccttatgtat ctgttaccag tcttcggagt caagagtata agattgtgct cagaaagagt 480
tattgggact ctgcctatga cgacgatgtc atggagaacc gggttggcct gaacctgctt 540
tatgctcana cggtgtcagg acatg 565

<210> 162
<211> 562
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(562)
<223> n = A,T,C or G

<400> 162
actgagccgc tttgaattta tttggacgtg atgaaattgc tacctatgag acagggaaag 60
tgnatcatga agagaccaag gggattcact attgcactcg catcctggta ccgtgtcacc 120
tcgggtcagt gacagttgca tttgcaccag gccttggaaa gatgacgtgc agagcccaaa 180
tgaaggcatc agcactgact agggttctga tgactctact ccagaaaggt gcatgaagag 240
gtctcctagc tccatcacat ccacatcatc agtgcttggg ggcttgctgg gtttctccgt 300
ttgccatctg caaatacttg cccaagtcat gcgaaaacag gcactggctg ccttcaccac 360
ttacaccatg cataaaatac ctgtgggtga cctgcttggt gcccatggca gtgggtccac 420
gggctggagt cgcactgaaa tctcanagct gccagtgccc tggcccagcc tggccctgtc 480
cccaacaaat cattttcaaa tgaatgttta gaactgaagg atgtaagaaa tgaaaaaaag 540
taataaaaga ctcattctgg ac 562

<210> 163
<211> 562
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(562)
<223> n = A,T,C or G

<400> 163
actgagcgga gcgactttna acagctggct ggntgttcgt catattgaaa agtacgtaaa 60
ccaaggtaaa agtggaacaa gagaattgct ctggtcctgg cacagaaaa acaagacgat 120
cggcgacctt ttagaggttc tccaggacat ggggcatcaa cgagctatcc acttaatcat 180
caactatgga gtaagctgga ctccttcagt gcagacgcat cacgagcttc cattccccag 240

```
cttcccacct gaggtgaagc atgcgtgcag agaaaacgac cctggacctc tggaaccagc 300
caatgtcaca gtggataatg ttcttgttcc tgaacataat gaaaaaggaa cactgcagaa 360
aacccctatc agcttccaga gtatcctaga aggaaccaaa catttccaca aagacttcct 420
gattggagaa ggggagatat tcgaagtata cagagtggac attcgaaacc aagcatatgc 480
tgttaaattg tttaaacagg agaaaaaaat gcaactaaag aagcactgga agagattttt 540
atcagaactg gaagttctac tc                                         562
```

<210> 164
<211> 560
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(560)
<223> n = A,T,C or G

<400> 164
```
tgaggggcaa gatgaagagg attgcctttc agttcacgcc ttacagctgg gtacgctttg 60
agtggaagcc agcctccagc ctgcaccgct ggctggccgt gtgtggcatc atcctggtgt 120
tcctgctggc agagctgaac accttctacc tgaagtttgt gctatggatg cccctgaac 180
actacctggt ccttctgagg ctggtcttct tcgtgaacgt gggtggtgtg gccatgcgtg 240
agatctacga cttcatggat gaattgaagc cccacaggaa gctgggccag caggcctggc 300
tggtggcagc catcacagtc acagagcttn tcatcgnggn gaagtatgac ccgcacacac 360
tcaccctgtc actgcccttc tacatctccc agtgctggac tcttggctcc atcctggtgc 420
ttacatggac tgtctggcgc ttcttcctgc gggacatcac catgaggtac aaggagaccc 480
ggcgacagaa gcagcagagt caccaggcca gagccgtcaa caaccgggat gggcaccctg 540
ggccagatga tgacctgctt                                             560
```

<210> 165
<211> 556
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(556)
<223> n = A,T,C or G

<400> 165
```
actgaggtgg tgtatgagga cagccgcatg gttggcctga aggccccta tgtgtcaggc 60
ttcctggcct tccgagaggt cccttcctg gtggagttgg tacagcggct gcaagagaag 120
gaaccagatc tcatgcccca ggtcgttctt gtggatggaa acggggtgct tcaccaacga 180
ggcgttcggg gtggcctgcc accttggtgt ccttacagag ctgccatgca tcggggtggc 240
cangaagctc ctgcaggtgg atggactgga gaacaatgct ctgcacaagg agaagattgt 300
gctcctgcag gccggaggag acacatttcc tctgataggc agctctggga ctgtcctggg 360
aatggccctg aggagccatg accacagcac caagcccctc tatgtctctg tgggccacag 420
aataagcctg gaggtcgctg tgcgcctcac ccaccactgc tgtaggttcc ggatcccaga 480
acctatacgc caggctgaca tccgctctcg agagtacatc cgaaggactc tagggcagct 540
tggggtggct cctgca                                                 556
```

<210> 166
<211> 553
<212> DNA
<213> Mus musculus

```
<220>
<221> misc_feature
<222> (1)...(553)
<223> n = A,T,C or G

<400> 166
gactgaggtt ggaaaaaggc agacatgatc aataaaaata tgactcatca ggtacaagct 60
gagagagatg ccctggcact gagcaaaagc cctttgttg tgcatctcta ttactcactg 120
cagtcagcan gcaacatcta cttgataatg gagtatctta ttggtggaga tgtcaagtct 180
ntcctacata tatatgggta ttttgatgaa nagatggcta taaatatat ttctgaagta 240
gcattggctt tagactacct gcncagacat ggnatcatcc atagggatna gaaaccggac 300
aatatgctta tttccaanga gggtnatatt aaactgacag attttggnct ttccaaagtt 360
actttgaata nagacatcaa tatgatggat attctcacaa caccatcaat gtctaaacct 420
aagcaagatt attcaagaac tccaggacaa gtcttatctc tcatcagttc tttgggattg 480
ttcacaccag ntggagaaaa agatcaagac tctgcaaaca tgtntncagc ccctaagtct 540
gctgcacaac ttt                                                   553

<210> 167
<211> 551
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(551)
<223> n = A,T,C or G

<400> 167
gaactgagcc cccctaggcc cagaggttgg ttcctgctgt gacatgcctg ccatgtggcc 60
acttcttcat gtcctctggc ttgctctggt ctgtggctct gttcacacca ccctgtcaaa 120
gtcagatgcc aaaaaagctg cctcaaagat gctgctggaa aagactcagt tttcagataa 180
acctgtccaa gatcggggtc tggtggtgac nggacatcaa agctgaggat gnggttcttg 240
aacatcgtag ctactgctca tcaagggctc gggagagaaa ctttgctgga gaggtcctag 300
gctacgtcac tccatggaac agccatggct acgatgttgc caaggtcttt gggagcaagt 360
tcacacagat ctcaccagtc tggttgcaac tgaagagacg tggtcgtgag atgtttgaaa 420
ttacaggcct ccatgatgtg gaccaaggt ggatgcnagc tgtcaagaag catgccaaag 480
gtgtgcgcat agtgcctcga cttctgtttg aagactggac ttatgatgat ttccgaaacg 540
tcttagacag t                                                     551

<210> 168
<211> 547
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(547)
<223> n = A,T,C or G

<400> 168
gactgaggtt tagaaggatc cagcccgagg ctaaggtggt cacagaaggg agagtcagcc 60
atctgcagct aggagatatg cttaaaggaa agactcagca gcaaggagct ggggtgtgat 120
ggccggctcc cacgtggaca tggcgccagc ttccaccacc gagggaactg gggaaaagcc 180
agggcccact gcgccagcac ccaccccagc tgctcagtat gagtgtgggg aatgccggca 240
agtccttcag gtggtcatct cggctcctgc accatcagcg cactcacaca ggngancgnt 300
cctataaatg ctcggactgc cnnaaancnn ttangggnnc ctgaancttc ctgtancacc 360
```

59

```
agcggngcca tacaggngan cgnncctatn aangcccaca ctgncccann gcctttnagc 420
gctntttctt gctgcagatc caccgcagtg ctgcacacnn gctctgtngn ncttgacctg 480
nnnncagagt ggtctgnnct tccagnggtc atcccattac caataccact tgagacagca 540
taccggt                                                         547


<210> 169
<211> 545
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(545)
<223> n = A,T,C or G


<400> 169
gactgaggtg ccaggagcag tacccaggct gctctggctc cagtgaggat gaagcggcca 60
gtgaggcccg gagcaccacc agtgactgtc ccagccttct cagcaccacc acagaggact 120
gcctgggtgg cgaagcggtg gacgaacaga gccagcagga aaacctggag gagaagctga 180
aaggttatgt ggactgcctg actgacaaga gtgccaagac ccgtcaagga gccctggaga 240
gcctgcgcct ggccctggcc tcccgcctac ttccggactt tctgctggag cgcagcctca 300
ctctggcgga tgccctggaa aagtgcctta agaaagggaa gggtgaagaa caggctctgg 360
ctgctgctgt gctaggcatt ctctgtgtgc agttgggccc tggacccaag ggcgaggagc 420
tgttccgtag cctgcagccc ttgctcatct cggtgctcag tgacagtaca gcaagcccca 480
ctgcccggct ccattgngct tctgctcttg gcttgggttg ctatgtggct tgccaccgac 540
gtcca                                                           545


<210> 170
<211> 542
<212> DNA
<213> Mus musculus


<400> 170
actgaggaaa ggaaacctcg tgctcctgga aatggcctga tatgaaggag ccacccctcc 60
agctttccct gtgggtgcct cgtccttcag gtacaggagc tggctgaaac atcaggaatg 120
gaagccaatg tgactatccc aatctggcaa aacaagccac atggggctgc tcgcagtgtg 180
gtaagaagaa ttgggaccaa tctcccctg aagccctgtc cacgggcatc ctttgagacc 240
ctgcccaaca tctctgacct gtgtttgaaa gatgtccctc cagtccctac tctggctgac 300
attgcctgga ttgctgcaga tgaagaggaa acatatgctc gggtcaggag tgatacacgc 360
cctctgagac atacctggaa gcctagccct ctgattgtca tgcaacgtaa tgcctcagtg 420
cccaacctgc gtggctctga ggagaggctc ctggccctga agaagccggc cctgcctgcc 480
ctgagccgca ccactgagct gcaggatgag ctcagccacc tgcgcagcca gattgctaaa 540
at                                                              542


<210> 171
<211> 542
<212> DNA
<213> Mus musculus


<220>
<221> misc_feature
<222> (1)...(542)
<223> n = A,T,C or G


<400> 171
tccgcactcc tacgagcccc gnggnncagg agtnctgtca tgccgctggt gcgctacagg 60
```

60

```
aaggtggcca tcctagggta ccgctccgta gggaagacat ctttggcaca tcaatttgtg 120
gaaggcgagt tcctggaagg ctacgatcct acagtggaga atacttacag caagacagtg 180
actcttggca aagatgagtt tcacctacat ctggtggaca cagcagggca ggatgagtac 240
agcattctgc cctactcgct catcatcggg gtccatggtt acgttcttgt atactcggtt 300
aactctctgc gcagctttca gatcgttaag aacctgtacc aaaagctaca cgaaggccac 360
ggtaaaaccc ggctgtcggt gctgcttgtg gggaacaagg cagatctctc tcctgagaga 420
gaggtgcagg cagttgaagg gaagaagcta gcagagtcct ggggtgcgat gtttatggag 480
tcgtctgctc gggataatca gctaactcaa gatgtcttca tcaaagtcat ccaggtggag 540
gg                                                                 542

<210> 172
<211> 538
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(538)
<223> n = A,T,C or G

<400> 172
aacttgtccc atctggnaca ctgtgcttgg ggctttagat gttcaagaac actctttggg 60
tgtccttgct gttctgtttg tgaagttctc aatgcccagt gttcctgact tcgaaacact 120
attctcacag gttcagcttt tcatcagtac atgtaatggc gagcacattc gatatgcaac 180
agatacgttt gctgggcttt gccatcagct aacaaatgca cttgtggaaa gaaaacagcc 240
ccttcgagga attggcatcc ttaagcaagc catagacaag atgcagatga ataccaacca 300
actgacctca gtacatgccg atctctgcca gctttgttta ctagcgaagt gctttaaacc 360
tgcccttcca tatcttgatg tggatatgat ggatatctgg taaagagaat ggagcctatg 420
atgcaaaaca ctttctgngc tactactatt atggaggaat gatctatacg gggctgaana 480
acttttgaaa agancgctgt acttttatga gcaggctata actactcctg cctggccg   538

<210> 173
<211> 537
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(537)
<223> n = A,T,C or G

<400> 173
gccatgaaag aatcatnatn cattttatcc accacctctt cctcctgcaa caagagtgag 60
gccgtcctct ccatagngca gctgtaccac ctggttgatg gagttnctca cagttgcatc 120
atatttcacc atcaccgact ccatggactt tatcagcctt cgctgaatat accctgggaa 180
agggaattaa ttgaaagacc tgaggtaaaa gcatgacaaa gctcaaaatg cagagaccaa 240
aattcanctt tagatggaga atccccattc ccatctccac aagagctcan aaaaggcctc 300
accagtctca gcagtcttaa cagccgtgtc aatgagacct tctcgtcctc ccatggcatg 360
gaagaagaac tcantgggtg tgagaccanc caagtatgaa ttttntacaa agcctcgnct 420
ctcaggacca taatcatnct tgataaagtg aggaagagtc cgatgcttga atccaaatgg 480
gatccgcttg ccctctacat tctgctgccc gacaacagca atgacctaag ggggatg    537

<210> 174
<211> 535
<212> DNA
<213> Mus musculus
```

```
<400> 174
actgaggcct ggtaggggag gagtgtgtag gtgccatcgt ttgcaagttg gatatgcaca 60
aaaagatgtt ccgcagaggt tatatagcca tgttagccgt ggactccaaa tacaggagaa 120
atggcattgg tactaacttg gtaaagaaag ctatatatgc catggttgaa ggagactgtg 180
acgaggttgt tttggaaaca gaaattacaa ataagtctgc tttgaaactt tatgaaaatc 240
ttggtttttgt tcgagataag aggctgttca gatactattt aaatggagtt gacgcactgc 300
gacttaaact gtggctgcgc tgaggaactg acagcaagga acgactccac ccacacggaa 360
gcgacttttg catgcaatgc aatttgtgca gaattgcttt gcaggtggat ttagtgattc 420
ccatgcagct gttatctgtc agtgtccatt gagtgtcgca caatatttgt tgcactttgg 480
catggcgcat ttgttctgaa ttaaatgaaa ttgtttttaaa cttcaaaaaa aaaaa      535


<210> 175
<211> 532
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(532)
<223> n = A,T,C or G

<400> 175
gactgaggct gttgaattgg ctgnctataa tgggnaagaa cctacattgt anaagagact 60
gttggncagt atntttcaag catnaacctc cagggaaanc cttttgtctc tggtcttttg 120
ataggacagn gctcttcaca aaaggattat gtgattcttg ccactagaac accacccaaa 180
gaggaacnaa atgacanngt caaacngccn agagctaagt tggataattt ggatgaagaa 240
tgggccacag aacatgccan ccaggagtct ctgngncacc cntggcaaag cttgagcann 300
agaccttaac gcctacccccc ncagngacnc anttnctnca acaaagctnt gcctactnca 360
ccaagaccac acttgcnaat agnnccgttc cccntgcctg agccnagcnt tcaaacacat 420
gagngcattg gngccgtacc tattcacacc accacatctg ncangaagna ggaanagcat 480
agnngcgttg gggctggatc tgngaaaagn ggggcatcaa taaagatact gc          532

<210> 176
<211> 527
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(527)
<223> n = A,T,C or G

<400> 176
acgtgaaaaa attgtttcat cagctcatac gttgtgaaag ccacagcttg agaggggata 60
cagcggatgt agttcagaga taagccacgg tacaatcctc tccgaatccc atgctgtcca 120
tagacgtact tcatggtctc ccgcatggta ctgaaaggca gtggaaaatg atatagcaac 180
catccaaagg ggacaagcca ccacaaggt acaagacanc tcaagagccc agaacagctt 240
cgtttgtttg gatggttcct tcagacagaa tggtgctctg cagcctgggc tagctttgga 300
ctataatctt ctgcctccca aatgctgggc aaagagggct atgccaccag aaccaaccta 360
gagtagcatt tttaaaggag gcttaactgg ttatggttgc tcaagcttac aatcttagca 420
cttcagaagc taaaaggagt ttcaagccaa cttgagctac agagatagaa tttgtatcaa 480
ataaaacaat aaatatttgc atatataaat acacacataa aaaaaaa                527

<210> 177
<211> 524
<212> DNA
```

62

<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(524)
<223> n = A,T,C or G

<400> 177
```
gactgagtga tggtcagtct tcagccattc ctgtagccag tgtggagttt gcagccatct 60
gtctcagaaa tgccttgttg ctgttacctg aagaacagca agatcccaag caggaaaatg 120
gctccaagag cagcagccag cttggaggga acaccggaaa gcagcgagag cagcgagacc 180
gtgcagcagt aagagccatg atggagataa agttcattcc ctgctccacc gtcttctccc 240
gntgaggaaa caggggagtta agaaaacctt naagtgcttc attcttgctt gcagtgctta 300
tgtggctctg gcccttaggt gataancctc atggcttttg aaccatgcag atcagctcct 360
gcagcanccc aagctggctg cttttntta aattttgggc ccatttatat ggccgggaaa 420
agcccctnnt cttcccttca anagggatnt gttgatgccn antaannnnc tttgacccna 480
aaaaaatgnc acttgatntc tttcttttgg ggatcttttt taaa 524
```

<210> 178
<211> 523
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(523)
<223> n = A,T,C or G

<400> 178
```
atgatggcca agaactggag cgctgctggg aacgctttct gccaggctgc ccaactgcac 60
ctacagctcc aaagcaagca ctgatgcagc cacctgcttt gnggacgctg gcaatgcctt 120
tcaagaaagc tgaccccccaa gaggccatta actgtctgat gagagcaatt gagatctata 180
cagacatggg cagattcaca atcgcagcca agcaccacat ctccatcgct gagatctatg 240
agacagaact ggtggatgta gagaaggcca tcgcccacta tgagcaatct gcagactact 300
acaaaggaga agagtccaac agctcagcca caagtgtct gctgaaggtg gctggctacg 360
ccgcacagct ggagcagtac cagaaggcta tcgacatcta tgagcaggtg gggaccagtg 420
ccatggacag tcccctcctc aagtacagcg ccaaagacta cttcttcaag gcggccctct 480
gccacttctg cattgacatg ctcaacgcca agctcgctgt ttc 523
```

<210> 179
<211> 522
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(522)
<223> n = A,T,C or G

<400> 179
```
cagttccaaa cagtgcacct gcgggagatc tcaacccagc tggagaagtg gacatgaggt 60
tggcaggccc cctgcgcatc gtggccctaa tcatcattat gggtctcacc tggatcctag 120
tcaccatcct cctaggtggt cctggtgttg ccttcctcg aattcagcag ttcttcacca 180
gcccagagaa ctcagtgact gcagaaccaa gggccaggaa gtacaaatgc ggcctgcccc 240
agccttgtcc tgaagagcac ctgagctttc gaatagtcag cggggctgcc aatgtcatcg 300
ggcccaagat ctgcctcgag gacaagatgc tcatgagcag cgtcaaagac aatgtgggcc 360
```

```
gtggcctgaa catcgccctg gtgaatgggg tcagtggtga gctcctagaa gccagagcct 420
ttgacatgtg ggctggagat gncaatgatc tcttgaagtt catccggnca ntgcatgaag 480
gnaccctggt gtttggggca tcctatgatg atccagctac ca           522


<210> 180
<211> 521
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(521)
<223> n = A,T,C or G

<400> 180
gactgagatc cagttgtggg acacggcagg gcaggagcgg ttcaggaaga gcatggtcca 60
gcactactac aggaatgtgc atgctgtcgt ctttgtgtat gacatgacca acatggccag 120
cttccacagc ctgccggctt ggatagagga atgcaaacag caccttgctg gctgaacgac 180
ataccatcga attctggtgg gaaataaatg tgacttgaga agcgccattc aggtgcccac 240
agactnnnca cacaagtttn ttgactcacn ctattttgcc tntgcnnccc ancccangtg 300
nataccnctn tgnttttgac tcaactgaaa tctatattca tgaccttacn ccanaagcca 360
aagacccaca agccattgat gcttnnccag ctgnctgata acagaattag cctgaaacct 420
gagaccaagc ctgcggtgac ttgctggtgc tgagtcatag gtgtggccat tgcgggtctg 480
acttacctga agagatgatt gggaagtgtg acagtgatga a            521


<210> 181
<211> 520
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(520)
<223> n = A,T,C or G

<400> 181
ccgtggctcc acatactgct gcaccactnt gagcacanac tntgnctanc tnatggtgtg 60
nccntgcnnn tactggtnct ncntatancc anttgntant naaacccttt atactcttgg 120
gcaangnatg ttctgttctt gaaaganngg ggggggcccag aagtccagaa tgcctgtgcc 180
aacccagcgg ctgggactgt catcctgctg gaaaacctcc gctttcatgt agaggaagaa 240
gggaagggaa aagatgcttc tggaaacaag gttaaagctg agccggccaa aattgatgct 300
ttccgagcct cactgtccaa actaggagat gtctatgnca atgatgcttt tgggactgca 360
caccgagccc atagctccat gggggggngtg aatctgccac agaaggctgg gggatttttg 420
atgaagaagg agctgaacta ctttgccaag gctttgggag aatccagagc gacccttcct 480
ggctatcttg ggaggcgcta aagttgcaga caaggatcca            520


<210> 182
<211> 516
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(516)
<223> n = A,T,C or G
```

<400> 182
gactgagggt tttatgacgc ttnaggctgt ggctgaatct ctgacctggg aagcagtggg 60
aacagctggc tgcanntcgg aaaggtttct gtgaanagag cacaaaggac gctggnagca 120
cagttgtgcc tggcttggaa acacnaactg tgaacacaga tgtgattcta aagcaggana 180
ttttaaagga ggcagancca caggcatggc tacaagaagt atcccaggta atggtcccan 240
cacttaccan atgtggngac cnctctgagg actgggaana aaagctgcca aaagctgctg 300
tnctgctgcn gctccagggt tntgaagagc nnggacacac gtgncatccc gnttctcatc 360
gntgtgtcca gagaggaaag ggactctaan aacaatgagt ctgagaacag tggcagntct 420
gtncttggtc annacatcca gacagcanaa ggactggnca ccaacagtca gtgtggggat 480
gaccacanac aaggntncca tgtgaaatgc cattca 516

<210> 183
<211> 515
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(515)
<223> n = A,T,C or G

<400> 183
tactcgccct tcgtggtctc cttccataag cactactatc cctgggtcca gctttccgga 60
cacgctggga acttccaggc cggtgaggat ggtcggattc tgaaacgttt ctgtcagtgt 120
gagcagcgca gcctggagct gctgatggga gaccccctgc ggccttttgt gcctgcttat 180
tatggcatgg tgcagcggga tggccaggcc ttcaaccaga tggaagatct cctggcagac 240
tttgagggcc cctctatcat ggactgcaag atgggcagca ggacctacct ggaagaggag 300
ctggtgaagg ccagggaacg acccaagccc cggaaggata tgtatganaa gatggtgggc 360
agtggacccc ggggctccca ccccanaaaa gcatgctcaa gggngccatt cacgaagccc 420
ccgatacatg cagnggnngg gagaccctga ntttnacttt ccacgcttgg gcttttccgg 480
attngaaggn catcaanaaa ggctgatggg acctg 515

<210> 184
<211> 508
<212> DNA
<213> Mus musculus

<400> 184
aggagaagcc caagctccct cccagcaggg cccagtcctt gagctatgcc ttagcgacca 60
ctgatgcttc ctacttaagt tccattgtcc gactcttcaa aaacctcaac ttcgtgctgc 120
tggtcatcac ctatggtctg aatgctggtg ctttctacgc cttatccact ctgctgaatc 180
gcatggtgat cttgcacttc ccggggaag aagtgaatgc tggaagaatc ggtctgacca 240
tcgtcattgc aggaatgttt ggtgctatga tctcaggcat ctggctggat aaatccaaaa 300
cctacaagga gacaacccctg gtagtgtata tcatgactct ggtgggcatg gtggtataca 360
cattcaccctt gaacctgaac catttgtggg tagtattcat cactgctggc acactgggct 420
tcttcatgac tggctatctg cccctggggt ttgagtttgc tgtggagctc acatacccag 480
aatctgaagg cgtgtcatct gacgccag 508

<210> 185
<211> 507
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(507)

65

<223> n = A,T,C or G

<400> 185
ctgccaggaa gcactgggct ggtgtccata tnanagaagn atnaccntnt atggagactt 60
ctgctaatga gcaaaacaat ggtggatgag ctctttgcag aaattgtgcn ggcagatgaa 120
cctatgcagc tcagcctgac aaagatgacc catgctgttc tgcctgtaac atacaatagc 180
atccgaacat ggcctgcccc ggacaggatt cgtctaggct cgtaggcaac agtaaccttg 240
tctactgcac tgcagtttgt aggatgggtg gtgtgtgagt ccacggtgca ctgcaacctt 300
caggccggat ggccagctga tgcctctgag tacctgtggg ttccgtgact acagcctcca 360
cttctgtcct cagtccttgt acatctgcaa cctgaaggcc ccaccgccaa gctacagggt 420
gacctcattt gacgtgatga tggcattgct gttgaggtga cagaagccac tgttgtgtaa 480
actaaaaata atcatgagag agaaact 507

<210> 186
<211> 504
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(504)
<223> n = A,T,C or G

<400> 186
actgaggtgg tgaattctta ctctgttggg aacacaggaa catttgtgag caggaagtat 60
gcctcccaag ttcaagcgcc acctaaatga tgatgacgtg accgggtctg tgaaaagtga 120
gaggagaaat cttttggaag atgattcaga tgaagaagag gacttttttc tacggggacc 180
atctggacca agatttggac ctagaaatga taaaattaag catgttcaga atcaggtgga 240
tgaagttatt gatgtaatgc aagagaatat tacaaaggta attgaaagag gagagaggct 300
ggatgaacta cnggacaaat canaaagctt atcggataat gccaccgctt tcagcaacag 360
atccaaacag cttcgaaggc aaatgtggtg gcgtggatgc aaaataaaag ccatcatggc 420
tttggctgca gcgatccttt tgctaatgat tatcattctt atanttgtga aattccgtac 480
ttgatttgat gacagagacc ctga 504

<210> 187
<211> 501
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

<400> 187
gaggagtccg ttcgaactgg accaagctgc cccacctctc ttcagtaaag tggttattgt 60
gttgatagat gcattaagag atgattttgt gtttgggtcg aaaggtgtga agtatatgcc 120
ctacacaacg tatctggtag aaaaaggagc atctcatagc tttgtggctg aggcaaagcc 180
acccacagtt actatgcctc gaatcaaggt ggataaaaat gtcacaaggc atttggacaa 240
agtattaaaa agaggagact gggatgtgtt aatccttcac tatctaggac tggatcacat 300
tggccacatt tctgggccca acagcccccct gattggtcac aagctctngc naaatggaca 360
gtgngctgat gaaaatccnc ccttcactgc tgntcgaaag gactgaaaga ctctcttacc 420
cagtncgctg gntctcnngt gncgaccatg gaantgncct gnaactgcna gccntggcgn 480
cctctttcac ctgaggaagt g 501

<210> 188

<211> 500
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(500)
<223> n = A,T,C or G

<400> 188
```
aactgagcat cctaatgtcc tatgatcatg tggagcttac cttcaacgac atgaagaatg  60
tgccagaggc cttcaaaggg accaagaaag gcaccgtcta ccttactccg taccgggtca 120
tctttctgtc taangggaag gacnccatgc atntccttta tgatgccctt ttaccngatg 180
aaggacntgt gatattaanc acccggngtt nngngccanc ttnattaagg gaatagtgaa 240
ggctgaagca tgangtgnct ggaaaggntn cncntcntac annctgacct tnacagcagg 300
gggcgccatt nagttngngc anangatgct ncagntngna tntnnagcct tcnaaggtga 360
agtccccaat gggagtacta tggctacttg ttanatgcnn agcgnggcct aagtgtttac 420
tncgncagtc gnaaatggga atgtacncct gcanntcntg nntatggnta tacagcaccc 480
gcgacccgga gtgctatcca                                            500
```

<210> 189
<211> 497
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(497)
<223> n = A,T,C or G

<400> 189
```
ctcctgagcc cttgccgctg tgacggntca gtgcgttgca cacaccaacc ctgcctaatc  60
cgctgggann agtgagaggg gctcatggag ctgtgagctt tgctacttca agtaccaggt 120
cctggcgatc ancaccaaga atccactgca gtggcaggcc atctccctga ccgtnatcna 180
gaaggtccan attgctgcta tcgtcctggg atcgctgttc ctngngggggn gnatctcctg 240
gctcatctgg ncctcgctca gcccttcagc caagtggcag cgccaggacc tcctcttnca 300
natttgctat ggcatgtacg gcttcatgga tgtcgtcttc atangcctca tcgtccacga 360
agggncttct gtttaccgna tcttnaatcg ctggcaggcc gtgnaccacc agtggaaagt 420
nctgnnctat nacaagacca aggacgtggg aggagacaca gggggagggg cggcagggaa 480
nccaggcccc aggacct                                               497
```

<210> 190
<211> 495
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(495)
<223> n = A,T,C or G

<400> 190
```
cccactggtg caacctagag cgatccatnc ncntgcncnn ttactacctg naccntatan  60
tantncagcg aggaatcctg cnccaacntc cactnggtng atacanctgg ggncacaact 120
attantaatg ctgagccgtt ganaaccatg nnncnnnntn gnanacanga ggaggacttt 180
gtgtcnttac acacctcgag acaaggagag ccttcatgag aacctcaggg accctagtcc 240
```

```
agggggtcaag gctgagaatc tggagctggc catccagaaa gaggtgaggg cctgcgagtg 300
gcgaccgaat gagagcacct cctcctagct ggcctaggat atctgagctg cgactccagc 360
ctgtagccca gttctccagt catgcccctg aaaccattct gggggtggga gctactcagc 420
cttctncagc gtcacactcc ctagctttag ngccctgctg gggtgagcgg ntcttccatc 480
ccagctaacc ctcta                                                   495
```

<210> 191
<211> 489
<212> DNA
<213> Mus musculus

<400> 191
```
actgagtgtg gatctgcagc agcaaatcat gactattgta gatgagctgg gcaaggcttc 60
tgccaaggcg cagcacctcc ctgcacccat caccagcgct ttgaggatgc aaagcaaccg 120
gcacgttatt tacatactga aggacacctc agcccgaccg gcagggaaag gagccattat 180
tggtttcctc aaagttggat acaagaagct ctttgtactg gatgaccggg aggctcacaa 240
tgaggtagaa ccccttttgca ttctggactt ttacatccac gagtcggtgc aacggcatgg 300
ccacgggcga gaactttttc agcatatgtt acagaaagag cgagtggagc cccaccaact 360
ggccattgac cgaccatcgc cgaagctgct caagttcctg aataagcact acaacctgga 420
gaccacagtc ccacaggtga acaactttgt catctttgaa ggcttctttg cccatcagca 480
ccgtccagc                                                          489
```

<210> 192
<211> 488
<212> DNA
<213> Mus musculus

<400> 192
```
gaactgagct gaagatgtcc acctgcttgg tcagctgccc cactctgatg aagtgttccg 60
gcagatatgc agctgaggcc tggaacagga agcactgcct gccgtcatca ttaggccagg 120
ggctctgcac cggaagctta cctgaggcag agctgcatct ctgcctgtag gaatctgtcc 180
atggaccctg gactggagcc ggccacctgt gggaaaatac acagcccctg aagacccatc 240
caccctcagc ccccggcctc actgctccct gcagacaccc tcacctcacc tccctgagct 300
tcttgaaggc gaaggccaca ccgttccttt gaccctggta gatatcggca aaggtgccct 360
cgctgattcg gtggctttgg tcaaagtcct cagttgcttg gacgacatct gcttcactcc 420
agaaaagcct gtctccgggc aaacccaaaa gcctttcttg cttgggggca gatgtggaag 480
tactgctg                                                           488
```

<210> 193
<211> 483
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(483)
<223> n = A,T,C or G

<400> 193
```
attttttcagt tgcattttta agnangnagg ctcatggtgc aaattgttat ttccagggaa 60
tccctgtgct gatcgtgggc catcatatcc tgtatgggaa aaccatccac ctggagaaac 120
cttttgcagt ccttgtcaaa cacactcctg ggaagcagga ctgtgatgag cccggtcgag 180
ggactggcac ccagtacttg gtgacagcac tcatcaaaaa caagatcctt ttcaaaactc 240
gccccaagcc tattatcacc aacgtcccca agaaagtatg aaagaacccc ggattttccc 300
tagagagcga ccaactcctt ggactcgtgc tccattgcca cctcgaggac ggctggacgg 360
agggcctgtt atgaacgcag gccacccaat gggtgtgaac tcagatcctt tccttatggc 420
```

agcaggttct cttggtggaa acctggctcc atttccaagg gaatgcagct ccttttcaga 480
atc   483

<210> 194
<211> 481
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(481)
<223> n = A,T,C or G

<400> 194
gaccatgcac tgactcacag tnntgacaga agtcttnttn atacccagta agggacactg 60
cctcactgcc atcncnagcn ancgctntnt canttcatgn gccacttgnc acanaagaaa 120
nggtngcggc tgagcaanca cgtgtngcat cgctgtttga gaacaagnct gagggacctg 180
ncnatgaagg acnttacaga naacnacttn ccanaaacat nagttttttgt tagctagaac 240
agcacgagtc accttcatgt ccactgacga tgggtcaccc tgctgnagcg nccactcata 300
aaggacaang gcgtggangt ccgagctttc tcgaccatct agaactaccc cgtctgtggg 360
cagatgtaaa accacatcct tcccagcctt gctaacggga ggcttgtcct catctgtgaa 420
agagaagaga caggagaggc atgcctctct gattccccag ctgatgaaca gcaatagctc 480
t   481

<210> 195
<211> 468
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(468)
<223> n = A,T,C or G

<400> 195
agttgcgcat gcccccaagg tcaanaagcc agggaggaag ccatagncnc ctgnccctgn 60
gaaagcagag gccgccactg ntgaanggan accgtaatnc ctcacctagc tctggtgnca 120
nctccagccc accaggtccc accctgaggg cccggntgcg caacctgtta gaaaatgcct 180
ggctcaacgg ngtggcactg cctacttggg gtcacaaggc ctccggagca gatnngacct 240
tcgcctcacc cccagctctt gggcangnca gacccatnat cttgtancat tgttaccagg 300
gctatttgtg gacagtccac catcncgggn gactgntgna gnaccttgnc cttgacatnc 360
atnctgccca gggctaaggn gttgnatnat nagngntgga gcnccancct taaccngggc 420
aanagaactt tgcctgaacc ttttnaaact tngaaggatc acctttct   468

<210> 196
<211> 467
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(467)
<223> n = A,T,C or G

<400> 196
gctgcttcct acctttgact ggagacgtgg nctacctcat cgtagacacc ccgcctggca 60

```
cgtctgacga acacctctca gtggtccagt acctggctgc ggcacacatt gatggggcag 120
tgatcctcac cacccctcag gaggtggccc tccaggatgt ccggaaagag atcagcttct 180
gccacaaggt gaagctgccc atcattggtg tggtagagaa catgagcggt ttcatctgcc 240
ccaagtgcaa gaaagagtct cagatcttcc ctcccacgac tgggggtgca gaggccatgt 300
gccaggatct gaggattcca cttctgggca aagngccgct ggatccacac ataggcaaga 360
gctgtgacaa aggccagcnt tttttgtcg aagcctccag atngaccagn cacagnctnn 420
ctacngaagt atanttcaga ggatnccgag acttttgtta ttctcat          467
```

<210> 197
<211> 460
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G

<400> 197
```
gatctgagtt cgtgcccttc agggtctatg tggaccgcac cggcaaccac gtactgagca 60
tggcccgcct ggcccgggat gttctggctg agattccgga ccaactgntg tnctacatga 120
aggcacaggg catncgccca cgcccnccan ctgctgcacc cgctcagtca cccccacagt 180
ncccanccca ctcacctcct ggatcccccg tgcacacgca tatctgaagc tgagaggacc 240
aagggcctgg agggtaggct gacaccctan aataatanta naaaggcttc ccnttntttt 300
gcttngaggg ccagcnnnaa atggggtgtc agggncttac accacttgac acncaaattc 360
aggggactgt ggtatacaaa acaagnggta cacngattat ggggctgagg ggacccaccc 420
tagtccatgc cngacaactn cnagactttt ttatttttgc                   460
```

<210> 198
<211> 460
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G

<400> 198
```
ctgtggcaga agtaaaactt cnagtatgac cagtatacat tagaacacat gcatgctttt 60
gggatgtata attatctgca ctgtgatgcc tggtatcaag acagtgtcta ctacattgat 120
aaccttggaa gaattatgaa cttaacagtg atgctggaca ccgccttagg aaaaccccga 180
gaggtgttcc gccttcctac agatgtgaca gcatatgaca atcgtctttg ggcatctatc 240
catttcacat ccccttcctg ggttaccttg tcagatggaa ctggaagact gtatgtcatt 300
ggaacaggtg accgtggaaa cagtcctgaa aaatgggaga ntatgnttna tgaananntn 360
ggaanntctt ttnttatnnn tnncagtatc tcactgnnga gagntgaaga acnttgaggg 420
nctatcctgc tntnttnaat tgagaaggag gaattggacc                   460
```

<210> 199
<211> 459
<212> DNA
<213> Mus musculus

<400> 199
```
actgagggat ggatccggtc cgtcagatcc cagaggaagt tttgttcctg catgtaaatg 60
acggatcttc tttggaaagc cttcagattg ttgcggattc aagcttcgac agtagagaat 120
```

70

```
tgacttttgg gagttctgtg caagtccaag ggcagcctgg tcaaaagtca gtccaagagg 180
caaaatgtgg aactgaaggc agaaaagatt gaggttattg gagactgtga agccaaggca 240
ttccctataa agtataagga gcgacaccct ctggagtacc tgagacagta tcctcacctg 300
aggtgcagga ctaatgctct gggttctata ttgagggtcc gcagtgaagc cacagctgct 360
attcattcct actttaagga caatggcttt gtgcacattc ataccccagt actcacatcc 420
aacgactgtg aggggccgg agagcttttt caagtggag            459


<210> 200
<211> 443
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 200
acaaatctga ccggatgggc tcagngggcg ctagncagca tgaaactcgt nacacctatc 60
caaattggaa gnacaccgtc gacacatncc ctanaaactt attgaagggt ggtacagagg 120
ctacacctta aggaaaaagt ctaaaaaggg natatcttnc tgnttacatn ttttcntttt 180
ataaganncc annagtgaga aggaaanagg gcnccatcgn naccgttcat ccctggggac 240
ctccccctta tacaggaaag tcaccacaaa cgcttcgaga gtggtctacc atctggaggc 300
aactttatgt ggtaagaaac tgggatgctc agttaaagat taaaaatcca gagcggtgtt 360
tctggtccct gtaccaaaat agacttttcc ctttccctgg gaaccctang aagaggagag 420
gctctgagca agggtctttg ctt            443


<210> 201
<211> 441
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(441)
<223> n = A,T,C or G

<400> 201
actgtaatgt ctgtactttg tccagtgtcg aaattcagtt tcatattgct cactcatatg 60
aaacccagng ttttggtaaa gnatcaacaa cctccatttc aaactgggtc cacacgatat 120
ctccaagcag ctagcactaa tgatcagaat cagaatggaa atcatactct gcctcagaat 180
tcaaagdggg atgcccaaaa tcacttctta cgtattccta cctcagaaga acaaaagatc 240
attaacttta ccaaagagag caaggattca agaagtaaat ccttgacttc taaaacaagt 300
aggaagatag agacacatct aatatctgtg ttaatgcaaa gaagcattct aatcgtatt 360
atcagatctc atcagttccg atttccagcc ttaataataa agaatccgtg tcaccagatt 420
taatagttgt aaaaaaaaaa a            441


<210> 202
<211> 418
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(418)
<223> n = A,T,C or G
```

<400> 202
tgagtcttta tagtaaaagc tgaaggaaaa gtggaatcag atttcttttg tcaattaggt 60
cacnttcaat ctcttactgg aagattattc aaaagcattg ncatcttacc agagatacat 120
acagtttaca gactgacnta ctggaagaat gctgcctttt tatatggnct tggttnggtc 180
tatttntact acaatgcatt tcagngggca atnagagctt tnnnggaagc cctttatgtt 240
gaccctaatt tttgcagagc caaagaaatc catttacgac ttggntttat gntcaaaatg 300
aatacagatt atgaatctag nttaaagcat tttcagctgg ccctgatcga ctgnaatgtc 360
tgtactttgn ncagngtcga aatncagttt catattgntc acttatatga aacccaga 418

<210> 203
<211> 405
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

<400> 203
tcaccaacta cctacaggcc cggcaaganc canacgcccg ngntagaggt gaacttgtgt 60
ctcactttct gaccagtgac atggacagcc tgtcctacct gaagaaggtc tctacagagg 120
gccacctgta taacggcttt aacatcatag cagctgacct gagcacgtca aaaggagatg 180
ttgtttgcta ctatggaaac cggggggggag cctgagccta ttgtcttgac accaggancc 240
tatgggctan gcaatgccct gntggagacg ccctggaaag aagctgtgct ttggcaaana 300
actnttcntg gaagcantgg ancaaancga ancntttcct aaggacgtnc ttgtcactca 360
gctactaaat gncctcaaca atgaggaggc cagcttgcca ggtaa 405

<210> 204
<211> 401
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

<400> 204
gactgaggcc atgaacctgc aagtgtaatg gctggnaaaa ccccaagccc cccaccgnac 60
cccgcatgga cctncancag ccngctgcca acctgagcga gttgngccgt ancatgtgag 120
caccctttgg cggaccatgt gtcccacctg gagaatgtgt cagaggacga gattaaccgg 180
ctcttgggaa tggtagtaga tgtagaaaat ctgttcatgt ctattcagtg agtagccttc 240
acatggaaac agcccagact ggaggaacca tgagggcct tggcttatcc tacactgttg 300
tctatctgtc cctccaggat tgggggcagg aggaccattc attccttggc attaatccct 360
cggagggaac aataaagctt tttttttccc aaaaaaaaaa a 401

<210> 205
<211> 400
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 205
gactgagaag gcggctgggc tttggcgcag ngganaccaa cctaagtttt ctgccttgga 60
gatgctggag aattcgctgt ncagccccac ctgggaagga tcccagttct gggtaacctc 120
gcagaagacc gaggcttctg aacgctgcgg cttgcaaggc tcctacatac tgagggtgga 180
agctganaag cctgactctc ctgactttgg gtgcgcagag tcaaatcctg gagccgctcn 240
ttttctggcc ctacactctg ttgcgtcgct atggccggga caaggtgcat ggggctgtct 300
gggaggatga cccgtcaggg agggctacca ggttgagtag ctgtaggtga caattccatt 360
ctcaggtggt ctcttctgtg cagatacagt aaaaaaaaaa 400

<210> 206
<211> 399
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = A,T,C or G

<400> 206
aatccccaga ggggcatgca gntgcacact gtaggctgtg gcacctgcct ttgacttcca 60
caaagagatc gactacatgt tcctggtggg cacagaagag ggaaaaatct acaagngctc 120
caaatcctac tccagccagt tcttggacac ctatgatgct cacaacatgg cagtagacgc 180
tgtgctatgg aacccatacc acaccanggt cttcatgtcc tgcagctctg actggacagt 240
gaagatctgg gaccacacca tcaagacccc catgttcatt tatgatctga actcagccgt 300
gggtgacgtg gcctgggcac cgtactcttc cactgtgttt gcagcagtca ccacggacgg 360
gaaggcccat gtgtttgact tagcggtcaa caagtatga 399

<210> 207
<211> 391
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

<400> 207
ggccctgcgt tgatgtggac gccacagtca nnctgcnggn anatggagct acccacggtg 60
tnggtgatgc ccanggacag ngcacctcna tccttacngt atctgcanct gccaggagcn 120
tgnntgcngt cncacctgca acacnagcga tgcttgggcn actctgaggn catggnatca 180
nntggagnac gccttcncct ggtgtgaaga tgacatctgg gaaaggctca ctcagctatg 240
gcaaagtact cctcccttga ccagaaccac atcgctccat gctacccct gctggacagt 300
gtgggcactg cacatagctg gcctagaggg cttggacaca gcccaccacc agctgactat 360
aaagatagga ctctcaaccc aaaaaaaaaa a 391

<210> 208
<211> 390
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(390)
<223> n = A,T,C or G

73

<400> 208
actgagtttt tgggaataac gtttcttgga atcggactgt gggcgtggaa tgaaaaaggc 60
gtcctactcn ancatcnngt ccatcaccgn cctcgnnggc ttcagaccca gngtgncctt 120
gntccttgtg gttggnagga gtgatgtnca ttcntgnggt tgtncagggt gcatncggag 180
caccttctgn acnanacngt ttcntntcaa gttntntngc tgtgcccctn ggggatcatt 240
ctttttctgg aactcacctg ntgggntgtn ggcntttgtn ttnaaanacn ggatnaaaga 300
ccagctnnat ttctttatta acaacaacat caagagccta cagagatgac attgatctac 360
agaacctcat agacttcacc caaggaatat   390

<210> 209
<211> 386
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

<400> 209
ggggaatttg tgaccagnaa gtgtgagagc cgacagggcc gtcaccagtg cctctgtgaa 60
gaaggttata tcctggagcg cgggcagcat tgcaaatcca acgacctcct tcagtgcggc 120
ctccattatc ttctctaatg gtcgggattt gctagttgga gatcttnatg gaagaaactt 180
ccggattcta gcagagtcta agaaccgngg aatagnnatg ggagtggatt ttcactatca 240
naagcacaga gttttttgga cagaccccat gcaggcgaag gntttttcca ctgacattaa 300
tggcttaaat acccnacaaa ntcttaatgn ttctattgat gctccagaga atctggctgt 360
ggattggatc aataataaac tttatc   386

<210> 210
<211> 380
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(380)
<223> n = A,T,C or G

<400> 210
actgaggctc gtccccatga ctaaactgaa tgcccaagtc aaaggctctc tcaacatcac 60
cactcccggg atacagatat ggaggatccg aggctatgca gatggtacct gttccttcca 120
gcacctttgg aagcttcttc gatggtgact gctatgtagt cctggctgta ngtggaacag 180
gccaggacag gtcctgtcan aaaagcanag cctgntgggn attagggang aagctanagg 240
ctgggggcag ngntgatgna tggtctagct tcattagtca ctgttaagcn agagtgacca 300
ggactacagc tgnggggctc catggggctt agaaatgttt gnaaaagtcc tttctagctn 360
aagagctaaa aactcattca   380

<210> 211
<211> 366
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(366)
<223> n = A,T,C or G

74

<400> 211
aactgaggaa agaatcccaa ctccattgnc acatggcctg ccgacggag cggctgtatg 60
atcgtcataa cttccatcct ctctgccctg ccggcctct tgctcctggc tttcctggca 120
gcttccacta cgcgtttctc cagcctgtgg tggcccgagg aagctcctga gcagctgcgg 180
attggctcct tcatgggaaa acgttacatg actcaccata tcccncccag cgaagctgcc 240
acactgncgg tgggctgnga ncctggnctg gaccccttc ccagtctcag cccgtagcct 300
ggtctntgta ncttggncct ggggtgaggg gcagagagca gatgtgcagg tcctgtgggg 360
tggggg   366

<210> 212
<211> 351
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(351)
<223> n = A,T,C or G

<400> 212
cagaccctgg acagacacct gcggtaactc acagaaagat ngcnacccac ccctacntgc 60
cccagnatnt tgccagngag acttcatttn cttgngcant ggancaccca angccagaag 120
aaagggctcc gaaatatnaa aattattttt cagcctncga aacaccctnt ttaaaaagan 180
aattgagttg gtaccnagga cgaaggccaa gaaccgcttt cacccataac caggnccaag 240
tattggaaaa tgtnnttagg gggaacngct acccttgcgt tgacctnaga gnggagctan 300
ctcaaaagct nanttagagg aagacagaat ncanatttgg gtccacaatc g   351

<210> 213
<211> 344
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(344)
<223> n = A,T,C or G

<400> 213
gatgtgcagc ccccataggg caggagccga gatggcctgc tgacagtgaa cctgcgggag 60
ggttcccgcc tgcacctgtg cgctgagacc cgggatgatg ccataacatg gaagactgcc 120
ctgatggagg caaattccac cccggtncgc gtctacagcc catatcagga ctactatgag 180
gtggtgccac ccaacgcaca tgaagccaca tatgtccgca gctactatgg ccaccttat 240
gcaggtcctg gtgtgacaca cgtgatagtt cgagaggacc cctgctacag ctcangagcc 300
cctttggcca tgggcatgct tgctggggct gccacgggga cgtc   344

<210> 214
<211> 340
<212> DNA
<213> Mus musculus

<400> 214
tggctgtgca gctgccgcca ggtgaagatc tcaacgactg ggttgccgtg cacgtggtgg 60
atttcttcaa tcgcatcaac ctcatctacg gtaccatcag cgatggctgc accgagcagt 120
cgtgcccagt catgtccggg ggccccaagt acgagtaccg ctggcaggac gagcaacgct 180
tccggaagcc cacggcgctg tccgcacccc gctacatgga cctgcttatg gactggatcg 240
aggtgcagat caacaacgag gacatcttcc ccactaatgt cggcacacca ttccccaaga 300

75

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ccttcctgca ggcagtgcgc aagatcctgt caaggctgtt                         340


<210> 215
<211> 332
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(332)
<223> n = A,T,C or G

<400> 215
gactgagatt agcacagtga tccagtctcg agtgaatgac caggaaggcc gagtaagaat 60
tctatgttca ctatgtgggc tttaacaggc gactggncga atgggtggac aagaaccgac 120
tcnnactgac caanacagtg aaggatgcca ngcntgaaga acatctgaca aatacctgag 180
tgagcttggc ctgagcagcc agagcccaag atcacctcna aaccaataag cgaaagcatg 240
atgagatnaa ccatgtgcag aaggnccatg gccctccct tctcaggacc atcacaacaa 300
agccatagca actcccatgt gaaaaaaaaa aa                                 332


<210> 216
<211> 328
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G

<400> 216
actgaggtgg ggtctttctg agagacatgg agctgntggg acagaacgaa gtggaccgcc 60
ggcagcgcan gttggtcatg ctgagccagg actgcgttct acaaggntct gacggccgag 120
cagaaggcca aggcgtttga agggacagta caattttaga ccacncagat gcattttgat 180
aatgatctgg tgcacaagac cctgaaaaac attgntgaag gcaaaactgt cgaggtccct 240
gcctatgatt ttgtgaccca cncaaggtta ccanaganca cntgtggnnn acccagctgn 300
tgtngnttct gttcgagggc atcttgga                                      328


<210> 217
<211> 323
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(323)
<223> n = A,T,C or G

<400> 217
gactgagata ttactctgga gagaaaaggc cccggttctc accatcttca ttggaggaaa 60
ccatgaagcc tcaaaccatt tgcaagagtt accctatggt ggctgggtag cgccgaatat 120
ttattattta ggcttggntg natggtgcan nataccnngg agtaaggana ggtggcncca 180
tctggcctat ttaaatcnca ngattataga aaaggtcatt ntnanngccc cccttataat 240
ncatctacca taaggannat atgtcatgtg agaantatnn agnnntacat tttaaaacag 300
ttaaagcaaa ctaaaaaaga aga                                           323


                                  76
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<210> 218
<211> 323
<212> DNA
<213> Mus musculus

<400> 218
tgagatctta gcaaagctat gtctcaagat ggtgcttctc agttccaaga ggtcattctc 60
caagaactag aattatctgt gaagaaagaa ttagaaacat atcttctgtg ttgaacaagt 120
tggtggtagt gaaactcaat ggtggtttgg gaaccagcat gggcctgcaa aggccctaaa 180
agtatatgcc tggaactgga ccacctcact gtttcaggag atgtgacatt tggaaaaaat 240
gtttcactaa agggaacagt tattattatt gcaaatcatg gtgacagaat tgacatcccc 300
ccaggaagat tataaaaaaa aaa 323

<210> 219
<211> 319
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(319)
<223> n = A,T,C or G

<400> 219
ggacagctag tgaccgtaaa cccctntggg cancgcnngg gataagcttc cgaggggact 60
gtggaaggag ccgcggctcg cacagngnac ctcttgccct gcatcccagc gaggactttt 120
tggtaagatg taccgggatt cttcattttc ttaaagccct gangtgnaga gaactaaagg 180
acggttcttg atggnacnct canaaacnnn nttacacccc anncccactg ntccctngca 240
ctccgtcaag gctcgcttct gttccaactc atctgcgaat tncacaaaac catagcccct 300
ggagggaaaa aaaaaccaa 319

<210> 220
<211> 317
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(317)
<223> n = A,T,C or G

<400> 220
gaactgaggt ggggtctta gcctcctccc aggggcccga cacacgttcc acttggtgca 60
ccaccactga tgcctcctga gggtgctcca cgtgcacgct caccatcgat gctactcctg 120
agcagaggca agatggacaa tgggatatat ctacacgagc tctgacttgc taggagtaga 180
ttggagaggg cncaccttnn nangggctca cnganagaac catagatagg aaaaaaggac 240
ntggagnnta nggnaggaan ncncnantga tagggncatt gnttaatntn tnangttatt 300
ncactgcctg cccttgg 317

<210> 221
<211> 315
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (1)...(315)
<223> n = A,T,C or G

<400> 221
ccagcctgag ccccgnccgt gggcacagag nttgctncac ctgcagnctg tncctgcngg 60
acctcaccgt cgccncgtcc gagtgcattg acccctcagn ggtctttccc tacccgctca 120
acgacagcag ctcgcccaaa tcctgtacct cgtccgattc cacggccttc tctccttcct 180
cggactcgct gctgtcctcc gagtcctccc cacgggccag ccctgagccc ctagtgctgc 240
atgaggagac accgcccacc accagcagcg actctgaaga agagcaagan gatgaggaag 300
aaattgatgt ggtgt   315

<210> 222
<211> 309
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(309)
<223> n = A,T,C or G

<400> 222
gagcttcaac atccaggcca ggtctctgcc tcagaaagtc agtgcgaccg ccattgtccc 60
ctgcctctca cctcctgggt cactggtatt tgaggatttt gctaacctga cacccttgt 120
caaggaagag ctgagattcg ccatccagaa taaacacctc tgccatcgga tgtcctctgc 180
gctggagtca gttaccgtca acaacagacc cctggagatg tcagtcacca agtctgaggc 240
ggcccctgaa gaaatgagagga gganaaggag ctggcgaga nagaaataaa attgctgctg 300
ccaagtgtc   309

<210> 223
<211> 307
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(307)
<223> n = A,T,C or G

<400> 223
gggaactgcc taggacttgc ctacttttca ctgcaggaag tcttctgatc tacagttgcc 60
agnagacgga agcacacacc tttaggnaga tcgtttacat taagctggna gagcccttgn 120
ctgcttgctc taaaatgctg aggnactggg gagagatacc aataccgtaa ggacagacca 180
acagaagttc ctttgatctg ctcccacggg agttccgtnt ggtggaagnn catgacccgc 240
ccctgcacca gccctcagcc aacaagccga agccccccac gatgctggac attccctcag 300
aaccgtg   307

<210> 224
<211> 303
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(303)
<223> n = A,T,C or G

<400> 224
ttatctgcgc atcatggatc cttacaaggc aagttacggt gtggaagacc cagagtatgc 60
tgncacccag ttagctcaga ccactatgag atcagagctt ggcaaactct ctctggacaa 120
agttttttcgg gagcgngagt ccctgaatgc caacattggg ggatgccatc aaccaggctg 180
cagactgctg gggtatccga tgcctgccga tacgagatca aggacatcca tgngccacct 240
caagtgaaag agtctatgca gatgcagggt aaaggcaaag cgcccggaag cggggccaca 300
gtt   303

<210> 225
<211> 280
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(280)
<223> n = A,T,C or G

<400> 225
tgagtaacta gttgtaccca ccatantaca canggacaca cagccggncc ctgnagcccg 60
gaacaggcnc acacggtaca cacnggtagg caggccaggc acangcatcc agcangaccc 120
gccagcaccc gccacgcaga cactggacga gccggcgcgg tcaagatgtt cacccgacgc 180
ggncangatg tatgtgccac cgaccctcgc nccgntggat ggacggacgg ncncatncna 240
tcagcgtnca ccggtcactg tccccaccca cagtgacgtt   280

<210> 226
<211> 278
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(278)
<223> n = A,T,C or G

<400> 226
gaactgagct cttcccactg cagaccgncg gcccccttac catgcacctt ccctcagagt 60
gatcccaggc tccaggggga gctaagaccc tctttctccc cttacctatc cccagactct 120
tccactccat ataatacttc ccttgctgga gcccccatgc cagtaaccca cctttaactg 180
gcagggacng cccagggcca accccacaga cccctacaga tctccaagga accagaatgc 240
acactaaaca caattttgta caattaaaac catgtttc   278

<210> 227
<211> 272
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(272)
<223> n = A,T,C or G

<400> 227
agtctgacct tgtaccgttt gatcgttatt gcccaccctg gtagaagcag cacagttgcc 60
gagcttgtgc gagacagaca gggatggatg gtgcggtcac cggtgtcagc atcaaggcgg 120
aggtcctgcc agcgtcactn cagcccacca ctgncanagc tgcccccagg ctgagcagta 180

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tgtgctggga caacacgtgt cattttaagt gcttagggga aacgtgggtt gccctttgtc 240
ttgctccatt attgcagaac actttgtgt gt                                272


<210> 228
<211> 271
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(271)
<223> n = A,T,C or G

<400> 228
atgagttccg caggcatgga actgactagc tcccaggaca ggaaggcttg gcaagttatn 60
agttttttgc ctaagactgc caagtgattg ncaggataac attggaaaaa agaatttgac 120
cctggnatca tcttcccgcg ggtcagattg gttaatttnc aatcaaagca tcccagaagn 180
acccatgaag caaagaaggc cctgtcaggg cagctnctgc tgtggggcga tcctatgtgt 240
gtggaaatct actcaagact tttgagggag a                                271


<210> 229
<211> 270
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(270)
<223> n = A,T,C or G

<400> 229
gtgtattacg cacatcggct ggcannnnng agaacagana gggactgncc atgcnccctg 60
nggtcgtggn ancaatancg agggcgattt ggnaaagntt tcntggaacg cagnggtgac 120
ccggnctgac agngggcact tgtatgccat gaaagnntta aaganggcca cgctgaaagt 180
gcgtgaccgn gttcggacca agatggagag gaagcagnan agcanttttg gggaaacctg 240
ctgtctgcca ctanacagag atcacaggag                                  270


<210> 230
<211> 263
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(263)
<223> n = A,T,C or G

<400> 230
ctgagcaaca tagggcggcc gcatgaagcg cttgggagac tttctgaact tggaaaactt 60
tgatctggct ctcctggatg aggngtggag tgagcaggac tnncagaacn tanggcnnag 120
gcgtatcttg ttcacctatc nagatgcaca cgtacgttca naagcgngga tnanaggcaa 180
agtnctcatg ggcgnnctcc nnncncccan tcctgganag gattccanct tgtctacagg 240
cgtgnatggt gaccaaatac atg                                         263


<210> 231
<211> 262
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<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 231
gaactgagat ctccgtctcc cggaaccagg gctgctcatc tcgtgaggag aaaatcttga 60
ccgccacgct ttcgccatgc cacgaaccgc gccacacctc gccatatcag gccctttcct 120
aatccatggc caagggaaga ataaggatca catactagac acacatagcc ctagaagacc 180
ccaccccaat tctggatgct ataaagatcc cctctgtaaa aatcggattt tttttaanct 240
tttttttttt tttttttaaa aa                                          262

<210> 232
<211> 247
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(247)
<223> n = A,T,C or G

<400> 232
tgaagttaac gttacgcgct ctgccttaca aactgnaacc agctcaatac gccgctttca 60
gttcctgcag aaagcccggg ccttgttgga cctgtgtgct gcgcctggcg gatggntacn 120
tntggcnggc actgttatga nnacannnac ctntatntga tgagcttacc agttgttnat 180
tcaaggatga tgngaattnn attacacaat tcatattaaa tattccataa actgtgtctc 240
tctcaac                                                           247

<210> 233
<211> 246
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(246)
<223> n = A,T,C or G

<400> 233
ctcactcttc taaaaaancn ccccnanctt naagaagcct tgnggacacn tcctacaaaa 60
cattgagatt tgctttnagg gcctccctga aaacgctat ctaccgtata accaccacgt 120
ttggtgaaca tctgaacgct gngcaggcat ctgcngaaca tcanaaaaga cttcancaat 180
tcttgtnagn ncaaagaata ntgangnaat ataaactgtg ttcattaccc tgctgataca 240
actaca                                                            246

<210> 234
<211> 238
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
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<222> (1)...(238)
<223> n = A,T,C or G

<400> 234
actatcacag gcaggtagna tatggcaaga agacatgcgt atgtcagttt taagccatgt 60
atgaccaggc atgaaagaag cttgggtcgg gctggtgatg actatgaagt gttggaacta 120
gacgatgttc caaaggagaa cacctcaggt tccagtncat tggatcaagt ccatcctgct 180
ttaccaaatg aacctacagt tgaaaaaagt gaaacagaaa tttctactaa aaaaaaaa   238


<210> 235
<211> 235
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(235)
<223> n = A,T,C or G

<400> 235
gagtgccctt tagcgtctgg gnncaggngg ctgcgtggct annacacagc ctgtcgccta 60
cttcggggca cgtctgcnag acggtgcang nttccnnaag ncaaggtatg ccgtccgaag 120
nacccttna gggactttta caaaagggta taaagngctc atgtagggaa nttggccctg 180
cactgacgac atccgaaggg gaagtgcact gtgctcctgc aggtctatga cgctt      235


<210> 236
<211> 233
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(233)
<223> n = A,T,C or G

<400> 236
gaacaaaact ggagccttcc taggnctggg agagctaaaa cgcttagatc tctccaacaa 60
tcggattggc tgtctcacct ctgagacatt tcaagggctc cctagacttc tcagactaaa 120
catatctgga aacatctact ctagtctgca acctggggtc tttgatgagc tgccagccct 180
tagctatagt gcccacctga atgtcaataa acagcagctg aagcaaaaaa aaa        233


<210> 237
<211> 232
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(232)
<223> n = A,T,C or G

<400> 237
actgaggagg tatttgatca tgggtcacct gngaaagcna nggcanatcc actaaccnga 60
nnctacntat gaggaanaac tgnaanctgn nctggctnct tgattngagt atttattaan 120
gcagacagag cctgttcgca catttcattc agcctgctgc tcagaagact ccaacctcac 180
ccttgaagat gaaaccaggg ccgcccacgg gtaaaaaagg ataaaaaaaa aa         232
```

<210> 238
<211> 215
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(215)
<223> n = A,T,C or G

<400> 238
tgctggagta cgccgtttcc accagtgcta agttngcagc agangattta aagttcctgc 60
agctacaagt gcgattatta ctaatgatgg gaatangaat aaatcctgca cangactgnt 120
gggaatgttt tcctggaagc gnggntnaat anctganaat tattnntagn agaaccnnng 180
gtgtgaagct ggtnatatnt gcgtgggtgg gaaca 215

<210> 239
<211> 203
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(203)
<223> n = A,T,C or G

<400> 239
tgcggcccca gcaggagccc ggcctcatct ctggagtcca tgcgggaatt gcatgctgaa 60
ctccaagggg acnactggag ggtcancctg gaggatcaca gcagccaagg gactttggnc 120
aaanaatgnc cgacttnnaa naggccacag actggagttg agtgangggn gacctttntg 180
acctttggcc cccaaaggtc aag 203

<210> 240
<211> 178
<212> DNA
<213> Mus musculus

<400> 240
tgagatctgt ttcccctcat ctttccctca gagccagccc aggcttctgg gccttatgtg 60
gagatcatcg aacagccgaa gcaacggggc atgcgattcc gctataaatg cgaggggcgc 120
tcagcgggca gtattcctgg cgagagaagc acagatacca ccaagacaca aaaaaaaa 178

<210> 241
<211> 176
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(176)
<223> n = A,T,C or G

<400> 241
ctgcccaccc tccagactgg gcgccatngn tccaaggctg tgacccgcca ctggcgagnn 60
atgcacttgc agcggcagaa gctgagaggc gtataacgtg annatatctc ctcgccaaca 120
ctctgccatc anccacgaga tgcctgcntc ctnctcncaa gcccccaag gaggag 176

83

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<210> 242
<211> 169
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(169)
<223> n = A,T,C or G

<400> 242
gttgcgcctc tccgctgcag tcaaaactcc tcattggcta aaatgcccca aacaggngcc 60
tgcatgtcca atggcttcca tggcatactc cacttggtat aancgaccta caaaacagtg 120
agtcaccacg gttcctntcg ctcttgcacc actcatctga gaaaaatca          169

<210> 243
<211> 133
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(133)
<223> n = A,T,C or G

<400> 243
acgtctactc taaggaccan ntgcagacnt tctctgngga gcatcctgnt cttctaacgg 60
aggccccact ganccccagt aagaaccggg agaaggnggn agaggtcttc tttgaaacct 120
tcaatgctcc tgc                                               133

<210> 244
<211> 130
<212> DNA
<213> Mus musculus

<400> 244
gctagaagaa agccaaggta attgcagtaa tgaatgctgt ggaagagaac caggcctctg 60
gagagtctca gaaggtggag gaggccagcc ctcctgctgt gcagcatccc acgggtgcct 120
gatgatgcaa                                                   130

<210> 245
<211> 130
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(130)
<223> n = A,T,C or G

<400> 245
gcgcaagtcc tgtcaggcct gccgactcat gaaangcctn aaagtgggga tgctgaagga 60
aggngagcgc cttgaccgnn ttcgaggagg ccgcctgnaa gtacangcga cngctggatt 120
cggtataaca                                                   130

<210> 246
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<211> 123
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(123)
<223> n = A,T,C or G

<400> 246
agctcactac cctgctggaa gcagngggaa aaggaccatg gnagtggnca gcgatatggc 60
accaaatcct taccanaatg tctgaattat nttgaaaaag aaaccgaaga atatcttaaa 120
gga                                                             123

<210> 247
<211> 113
<212> DNA
<213> Mus musculus

<400> 247
gaggactgga cggcagccct gctgaacagg ggccgcagtc ggcagcccct ggtgctaggg 60
gataactgtt ttgctgattt agttcacaat tggatggagt tgcctgaagc aga        113

<210> 248
<211> 109
<212> DNA
<213> Mus musculus

<400> 248
actgagggga tgatgagcaa tctatacaaa tggctgcaag ttgggaagat gaaaaagtga 60
cacaagcatc atcaaacaac tttgttgcta ttaaaattga tactaaaag             109
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